

## Cadherin 5 Human Recombinant

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|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item Number</b>                       | rAP-2875                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>                          | Cadherin 5, VE-Cadherin, Cadherin 5 Type 2 VE-Cadherin (Vascular Epithelium), CDH5, Cadherin 5 Type 2 (Vascular Endothelium), Vascular Endothelial Cadherin, 7B4 Antigen, Endothelial-Specific Cadherin, Cd144 Antigen, CD144 Antigen, Cadherin-5, CD144, 7B4.                                                                                                                                                                                                         |
| <b>Description</b>                       | Cadherin 5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 810 amino acids (29-599 a.a.) and having a molecular mass of 91.5kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions). CDH5 is expressed with a 239 amino acid hlgG-His-tag                                                                                                                                                         |
| <b>Uniprot Accession Number</b>          | P33151                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Amino Acid Sequence</b>               | NPAQRDTHSL LPTHRRQKRD WIWNQMHIIDE EKNTSLPHHV GKI KSSVSRK NAKYLLKGEY<br>VGKVFRVDAE TGDVFAIERL DRENISEYHL TAVIVDKDTG ENLETPSSFT IKVHDVNDNW PVFTHRLFNA<br>SVPESAVGT SVISVTAVDA DDPTVGDHAS VMYQILKGKE YFAIDNSGRI ITITKSLDRE KQARYEIVVE<br>ARDAQGLRGD SGTATVLVTL QDINDNFPFF TQTKYTFVVP EDTRVGTSVG SLFVEDPDEP<br>QNRMTKYSIL RGDYQDAFTI ETNPAHNEGI IKPMKPLDYE YIQQYSFIVE ATDPTIDLRY MSPPAGNRAQ<br>VIINITDVDE PPIFQQPFYH FQLKENQKKP LIGTVLAMDP DAARHSIGYS IRTSDKGQF FRVTKKGDYI |
| <b>Source</b>                            | Sf9,<br>Insect cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Physical Appearance and Stability</b> | Sterile<br>filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.                                                                                                                                                                                           |
| <b>Formulation and Purity</b>            | CDH5 solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                     |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Solubility</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                                                                                                                                                                                                |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**