

## Calbindin-2 Human Recombinant

|  |   |
|--|---|
| <b>Item Number</b>                       | rAP-2880  |
| <b>Synonyms</b>                          | Calretinin, CR, CALB2, CAB29, CAL2, CaBP29K, 29 kDa calbindin.  |
| <b>Description</b>                       | CALB2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 211 amino acids (1-271 a.a.) and having a molecular mass of 33.7kDa. The CALB2 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.   |
| <b>Uniprot Accesion Number</b>           | P22676  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MAGPQQPPY LHLAELTASQ FLEIWKHFDA DGNGYIEGKE<br>LENFFQELEK ARKGGMMSK SDNFGEKMK EFMQKYDKNSD GKIEMAELAQ ILPTEENFLL<br>CFRQHVGSST EFMEAWRKYD TDRSGYIEAN ELKGFLSDLL KKANRPYDEP KLQEYQTIL RMFDLNG-<br>DGK LGLSEMSRLL PVQENFLLKF QGMKLTSEEF NAIFTFYDKD RSGYIDEHEL DALLKDLYEK<br>NKKEMNIQQL TNYRKSVM SL AEAGKLYRKD LEIVLCSEPP M. |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile 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>            | The CALB2 1mg/ml protein solution contains 20mM Tris-HCl buffer pH-8 & 10% glycerol. Greater than 95% 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**