

## Casein Beta Human Recombinant

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| <b>Item Number</b>                       | rAP-3779  |
| <b>Synonyms</b>                          | Beta-casein, CSN2, CASB.  |
| <b>Description</b>                       | CSN2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 236 amino acids (16-226 a.a.) and having a molecular mass of 26.6kDa. CSN2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. |
| <b>Uniprot Accession Number</b>          | P05814  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSHMRETIE SLSSSEESIT EYKQKVEKVK HEDQQQGEDE HQD-KIYPSFQ PQPLIYPFVE PIPYGFLPQN ILPLAQPAVV LPVPQPEIME VPKAKDTVYT KGRVMPVLKS PTIPFFDPQI PKLTDLENLH LPLPLLQPLM QQVPQPIPQT LALPPQPLWSVPQPKVLPVLP QVVVYPQRA VPVQALLLNQ ELLLNPTHQI YPVTQPLAPV HNPISV.                    |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile Filtered clear 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>            | CSN2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.5M NaCl, 0.25M imidazole, 1mM DTT and 0.1mM PMSF. Greater than 95.0% 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**