

Human BACE1 Recombinant Protein



RPPB1433

Product Information Protein Information

Product SKU:

RPPB1433

Accession:

P56817

Host:

Sf9, Baculovirus cells.

Protein description:

BACE1 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 442 amino acids (22-457 a.a.) and having a molecular mass of 49.2kDa. BACE1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Beta-Secretase, Membrane-Associated Aspartic Protease, Beta-Site APP Cleaving Enzyme, Beta-Site APP-Cleaving Enzyme, Aspartyl Protease, EC 3.4.23.46, Memapsin-2, Asp, BACE, ASP2, Beta-Site Amyloid Beta A4 Precursor Protein-Cleaving Enzyme, Beta-Site Amyloid Precursor Protein Cleaving Enzyme, Transmembrane Aspartic Proteinase Asp2, Beta-Secretase 1 Precursor Variant, Beta-Site APP-Cleaving Enzyme, APP Beta-Secretase, EC 3.4.23, KIAA1149, HSPC104.

Formulation:

BACE1 protein solution containing Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

TQHGIRLPLR SGLGGAPLGL RLPRETDEEP EEPGRRGSFV EMVDNLRGKS GQGYVEMTV GSPQTLNIL
VDTGSSNAFAV GAAPHPFLHR YYQRQLSSTY RDLRKGVYVP YTQGWEGEL GTDLVSIPHG PNVTVRANIA
AITESDKFFI NGSNWEGILG LAYAEIARPD DSLEPFDSL VKQTHVPNLF SLQLCGAGFP LNQSEVLASV
GGSMIIGGID HSLYTGSLWY TPIRREWYVE VIIVRVEING QDLKMDCKEY NYDKSIVDSG TTNLRLPKKV
FEAAVKSIIKA ASSTEKFPDG FWLGEQLVCW QAGTTPWNIF PVISLYLMGE VTNQSFRTI LPQQYLRPVE
DVATSQDDCY KFAISQSSTG TVMGAVIMEG FYVVFDRARK RIGFAVSACH VHDEFRTAAV EGPFVTLTME
DCGYNIPQTD ESTLMTHHHH HH.

Biological Activity:

Specific activity is > 5 pmol/min/ug in which one unit will convert 1.0 pmole of Mca-SEVNLDAEFRK(Dnp)RR-NH₂ to MCA- Pro-Leu-OH per minute at pH 3.5 at 25C.