

Active Recombinant Human BACE1 protein(Met1-Thr457), hFc-tagged

Cat. No. BACE1-253H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human BACE1 protein(NP_036236.1)(Met1-Thr457), fused with C-terminal hFc tag, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Met1-Thr457 |
| similar | BACE1 |
| Alias | BACE1; beta-site APP-cleaving enzyme 1; BACE, beta site APP cleaving enzyme; beta-secretase 1; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; beta-site APP cleaving enzyme 1; beta-secretase 1 precursor variant 1; transmembrane aspartic proteinase Asp2; membrane-associated aspartic protease 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme; ASP2; BACE; HSPC104; FLJ90568; KIAA1149; |
| Conjugate | C-hFc |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bioactivity | Measured by its ability to cleave a fluorogenic peptide substrate, Mca- |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|------------------------------|---|
| | SEVNLDAEFRK(Dpn)RR-NH2. The specific activity is >0.5 pmoles/min/μg. |
| MolecularMass | The recombinant human BACE1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 674 amino acids and has a calculated molecular mass of 75 kDa. As a result of glycosylation, the rhBACE1/Fc monomer migrates as an approximately 100-105 kDa protein in SDS-PAGE under reducing conditions. |
| Endotoxin | < 1.0 EU per μg of the protein as determined by the LAL method |
| Purity | > 90 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| GeneName | BACE1 beta-site APP-cleaving enzyme 1 [Homo sapiens] |
| GeneNameWeblink | 23621 |
| OfficialSymbol | BACE1 |
| OfficialSymbolWeblink | 23621 |
| GeneID | 23621 |
| GeneIDWeblink | 23621 |
| mRNARefseq | NM_001207048 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA


| | |
|-----------------------------|--------------------------------|
| mRNARefseqWeblink | NM_001207048.1 |
| ProteinRefseqWeblink | NP_001193977.1 |
| MIMWeblink | 604252 |
| UniProtID | P56817 |
| UniProtIDWeblink | P56817 |

GENE INFORMATION

| | |
|-----------------|--|
| Synonyms | BACE1; beta-site APP-cleaving enzyme 1; BACE, beta site APP cleaving enzyme; beta-secretase 1; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; beta-site APP cleaving enzyme 1; beta-secretase 1 precursor variant 1; transmembrane aspartic proteinase Asp2; membrane-associated aspartic protease 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme; ASP2; BACE; HSPC104; FLJ90568; KIAA1149; |
| MIM | 604252 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA