

Mouse BACE2 / Beta secretase 2 (His Tag) recombinant protein



Catalog Number: 502925

General Information

Gene Name Synonym

Aspartyl protease 1; Beta-site amyloid precursor protein cleaving enzyme 2; Memapsin-1; Membrane-associated aspartic protease 1; Theta-secretase

Protein Construction

A DNA sequence encoding the mouse BACE2 (Q9JL18) (Met1-Pro462) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a fluorogenic peptide substrate Mca-KPLGL-Dpa-AR-NH₂ (Catalog # ES010).
The specific activity is >50 pmoles/min/μg.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ala 20

Molecular Mass

The recombinant mouse BACE2 comprises 454 amino acids and has a predicted molecular mass of 49.2 kDa. The apparent molecular mass of the protein is approximately 55 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

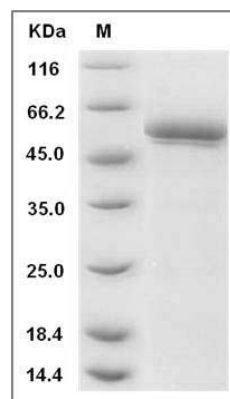
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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