Recombinant Mouse Ide Protein, His-tagged

Cat. No. Ide-1644M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ide Protein (Ala753-Pro973) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala753-Pro973
Description	Predicted to enable several functions, including ATP binding activity; ATP hydrolysis activity; and peptide binding activity. Involved in insulin catabolic process. Acts upstream of or within amyloid-beta clearance and response to oxidative stress. Located in extracellular exosome. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in Alzheimer's disease and type 2 diabetes mellitus. Orthologous to human IDE (insulin degrading enzyme).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.7 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

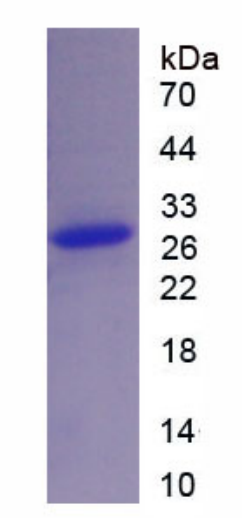
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ide insulin degrading enzyme [Mus musculus (house mouse)]
Official Symbol	Ide
Synonyms	IDE; insulin degrading enzyme; insulin-degrading enzyme; insulysin; insulinase; insulin protease; AA675336; AI507533; 1300012G03Rik; 4833415K22Rik;
Gene ID	15925
mRNA Refseq	NM_031156
Protein Refseq	NP_112419
UniProt ID	Q9JHR7

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