

Recombinant Mouse Tpp1 protein, His-tagged

Cat. No. Tpp1-20M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tpp1(Gly198~Pro562) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly198~Pro562
Description	This gene encodes a lysosomal serine protease that cleaves N-terminal tripeptides from protein substrates. The encoded preproprotein undergoes autocatalytic processing to generate a mature enzyme. Mice lacking the encoded protein exhibit a progressive neurodegeneration and a greatly shortened lifespan. At the cellular level, mice lacking the encoded protein exhibit accumulation of autofluorescent lipopigments. Mutations in the human ortholog of this gene cause classical late-infantile neuronal ceroid lipofuscinosis.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	43.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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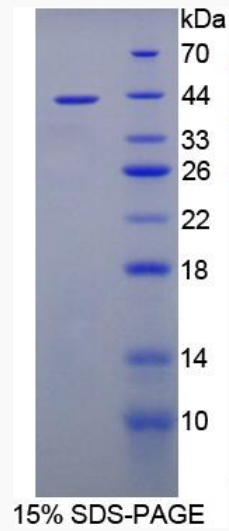
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Tpp1 tripeptidyl peptidase I [Mus musculus]
Official Symbol	Tpp1
Synonyms	TPP1; tripeptidyl peptidase I; tripeptidyl-peptidase 1; LPIC; TPP-1; tripeptidyl peptidase-I; tripeptidyl-peptidase I; tripeptidyl aminopeptidase; ceroid-lipofuscinosis, neuronal 2; lysosomal pepstatin-insensitive protease; Cln2; TPP-I;
Gene ID	12751
mRNA Refseq	NM_009906
Protein Refseq	NP_034036
UniProt ID	O89023

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