

Recombinant Human TPP2 Protein, His-tagged

Cat. No. TPP2-476H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPP2 Protein (Ile40-Asp509) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile40-Asp509
Description	This gene encodes a mammalian peptidase that, at neutral pH, removes tripeptides from the N terminus of longer peptides. The protein has a specialized function that is essential for some MHC class I antigen presentation. The protein is a high molecular mass serine exopeptidase; the amino acid sequence surrounding the serine residue at the active site is similar to the peptidases of the subtilisin class rather than the trypsin class.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.1 kDa Accurate Molecular Mass: 54 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, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TPP2 tripeptidyl peptidase II [Homo sapiens (human)]
Official Symbol	TPP2
Synonyms	TPP2; tripeptidyl peptidase II; tripeptidyl-peptidase 2; TPP-II; tripeptidyl-peptidase II; tripeptidyl aminopeptidase; TPP-2; FLJ40359
Gene ID	7174
mRNA Refseq	NM_003291
Protein Refseq	NP_003282
MIM	190470
UniProt ID	P29144

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