

Recombinant Human TAPBP Protein, His-tagged

Cat. No. TAPBP-688H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TAPBP (AAH80574.1) (Met1-Val414) was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-414 a.a.
Predicted N Terminal	Gly 21
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Molecular Mass	The recombinant human TAPBP consists 405 amino acids and predicts a molecular mass of 43.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name TAPBP TAP binding protein (tapasin) [Homo sapiens]

Official Symbol TAPBP

Synonyms TAPBP; TAP binding protein (tapasin); tapasin; TAPA; NGS-17; TAP-binding protein; TAP-associated protein; TPN; TPSN; NGS17;

Gene ID 6892

mRNA Refseq NM_003190

Protein Refseq NP_003181

MIM 601962

UniProt ID O15533

Chromosome Location 6p21.3

Pathway Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem;

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