

Recombinant Human TAPBP Protein, MYC/DDK-tagged

Cat. No. TAPBP-122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TAPBP protein, fused to MYC/DDK-tag at C-terminal, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a transmembrane glycoprotein which mediates interaction between newly assembled major histocompatibility complex (MHC) class I molecules and the transporter associated with antigen processing (TAP), which is required for the transport of antigenic peptides across the endoplasmic reticulum membrane. This interaction is essential for optimal peptide loading on the MHC class I molecule. Up to four complexes of MHC class I and this protein may be bound to a single TAP molecule. This protein contains a C-terminal double-lysine motif (KKKAE) known to maintain membrane proteins in the endoplasmic reticulum. This gene lies within the major histocompatibility complex on chromosome 6. Alternative splicing results in three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	45.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	TAP binding protein [Homo sapiens]
Official Symbol	TAPBP
Synonyms	NGS17; TAPA; TPN; TPSN
Gene ID	6892
mRNA Refseq	NM_003190.4
Protein Refseq	NP_003181.3
MIM	601962
UniProt ID	O15533

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