

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	<p>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]</p>
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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