

## Product datasheet for **TP317968M**

### Tapasin (TAPBP) (NM\_003190) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TAP binding protein (tapasin) (TAPBP), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217968 representing NM_003190 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MKLSLLLAVALGLATAVSAGPAVIECWVEDASGKGLAKRPGALLLRQGPGEPPRPDLDPELYLSVHD PAGALQAAFRRYPRGAPAPHCMSRFVPLPASAKWASGLTPAQNCPRALDGAWLMVSISSPVLSSLR PQPEPQQEPVLITMATVWLTVLHTPAPRVRLGQDALLDLSFAYMPPTSEAASSLAPGPPPFGLEWRRQH LGKGHLLLAATPGLNGQMPAAQEGAVAFAAWDDDEPWGPWTGNGTFWLPRVQPFQEGTYLATIHLPYLQG QVTLELAVYKPPKVS LMPATLARAAPGEAPPELLCLVSHFYPSGGLEVEWELRGGPGGRSQKAEGQRWLS ALRHSDGSVSLSGHLQPPPVTTEQHGARYACRIHHPSLPASGRSAEVTLEVAGLSGSPLEDSVGLFLSA FLLGLFKALGWAAVYLSTCKDSKKKAE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	45.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_003181](#)

Locus ID: 6892

UniProt ID: [O15533](#), [A0A024RCT1](#)

RefSeq Size: 3629

Cytogenetics: 6p21.32

RefSeq ORF: 1344

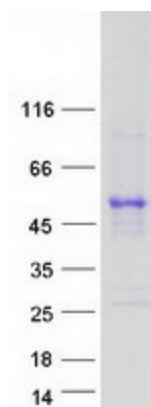
Synonyms: NGS17; TAPA; TPN; TPSN

**Summary:** 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]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Antigen processing and presentation

### Product images:



Coomassie blue staining of purified TAPBP protein (Cat# [TP317968]). The protein was produced from HEK293T cells transfected with TAPBP cDNA clone (Cat# [RC217968]) using MegaTran 2.0 (Cat# [TT210002]).