# Recombinant Human TAPBP Protein (197-300), N-GST-tagged

## Product Information

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| ***Cat*** | *IMP-8902* |
| ***Official Symbol*** | *TAPBP* |
| ***Product Overview*** | *Human TAPBP partial ORF ( NP_003181, 197 a.a.-300 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).* |
| ***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.* |
| ***Expression System*** | *Wheat Germ (in vitro)* |
| ***Species*** | *Human* |
| ***Tag*** | *N-GST* |
| ***Form*** | *50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.* |
| ***Molecular Mass*** | *37.18 kDa* |
| ***Protein length*** | *197-300* |
| ***AA Sequence*** | *PGPPPFGLEWRRQHLGKGHLLLAATPGLNGQMPAAQEGAVAFAAWDDD EPWGPWTGNGTFWLPTVQPFQEGTYLATIHLPYLQGQVTLELAVYKPPK VSLMPAT* |
| ***Applications*** | *ELISA; WB (Recombinant protein); Antibody Production; Protein Array* |
| ***Notes*** | *Best use within three months from the date of receipt of this protein.* |
| ***Storage*** | *Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.* |
| ***SDS-PAGE*** | |


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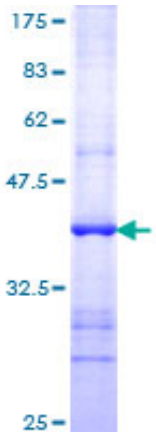


***12.5% SDS-PAGE Stained with Coomassie Blue.***


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