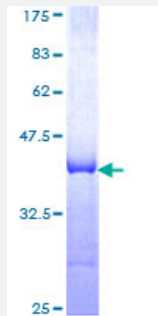


TIMM8A (Human) Recombinant Protein (Q01)

Catalog # H00001678-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TIMM8A partial ORF (NP_004076, 9 a.a. - 97 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AAGLGAVDPQLQHFIEVETQKQRFQQLVHQMTCLWEKCMDKPGPKLDSRAEACFVNCVERFIDTSQFILNRLEQTQKSKPVFSESLSD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.53
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TIMM8A

Entrez GeneID [1678](#)

GeneBank Accession# [NM_004085](#)

Protein Accession# [NP_004076](#)

Gene Name TIMM8A

Gene Alias DDP, DDP1, DFN1, MGC12262, MTS

Gene Description translocase of inner mitochondrial membrane 8 homolog A (yeast)

Omim ID [300356](#) [304700](#) [311150](#)

Gene Ontology [Hyperlink](#)

Gene Summary This translocase is involved in the import and insertion of hydrophobic membrane proteins from the cytoplasm into the mitochondrial inner membrane. The gene is mutated in Mohr-Tranebjaerg syndrome/Deafness Dystonia Syndrome (MTS/DDS) and it is postulated that MTS/DDS is a mitochondrial disease caused by a defective mitochondrial protein import system. Defects in this gene also cause Jensen syndrome; an X-linked disease with optic atrophy and muscle weakness. This protein, along with TIMM13, forms a 70 kDa heterohexamer. Alternative splicing results in multiple transcript variants encoding distinct isoforms

Other Designations OTTHUMP00000023681|deafness/dystonia peptide|translocase of inner mitochondrial membrane 8 homolog A

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
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