

Recombinant Mouse Timm13 Protein, Myc/DDK-tagged

Cat. No. Timm13-6433M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length translocase of inner mitochondrial membrane 13 (Timm13), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mitochondrial intermembrane chaperone that participates in the import and insertion of some multi-pass transmembrane proteins into the mitochondrial inner membrane. Also required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space. The TIMM8-TIMM13 complex mediates the import of proteins such as TIMM23, SLC25A12/ARALAR1 and SLC25A13/ARALAR2, while the predominant TIMM9-TIMM10 70 kDa complex mediates the import of much more proteins.
Molecular Mass	10.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Timm13 translocase of inner mitochondrial membrane 13 [Mus musculus (house mouse)]

Official Symbol Timm13

Synonyms TIMM13; translocase of inner mitochondrial membrane 13 homolog (yeast); mitochondrial import inner membrane translocase subunit Tim13; translocase of inner mitochondrial membrane 9 homolog; Tim9; Timm9; D10Erttd378e

Gene ID 30055

mRNA Refseq NM_013895

Protein Refseq NP_038923

UniProt ID P62075

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