

Recombinant Mouse Timm8a1 Protein, Myc/DDK-tagged

Cat. No. Timm8a1-6434M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length translocase of inner mitochondrial membrane 8A1 (Timm8a1), 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	11.5 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Timm8a1 translocase of inner mitochondrial membrane 8A1 [Mus musculus (house mouse)]
Official Symbol	Timm8a1
Synonyms	Timm8a1; translocase of inner mitochondrial membrane 8A1; Ddp; Tim; Ddp1; Fci-1; Tim8a; Fci-12; Timm8a; DXHXS1274; DXHXS1274E; mitochondrial import inner membrane translocase subunit Tim8 A; deafness dystonia protein 1 homolog; translocase of inner mitochondrial membrane 8 homolog a; translocase of inner mitochondrial membrane 8 homolog a1
Gene ID	30058
mRNA Refseq	NM_013898
Protein Refseq	NP_038926
UniProt ID	Q9WVA2

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