

Recombinant Full Length Human TMX4 Protein, C-Myc/DDK-tagged

Cat. No. TMX4-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TMX4 Protein, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, one transmembrane domain and C-terminal ASP/GLU-rich calcium binding domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The encoded protein has been shown to have reductase activity in vitro.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
Molecular Mass	38.8 kDa
AA Sequence	MAGGRCGPQLTALLAAWIAAVAATAGPEEAALPPEQSRVQPMPTASNWTLVMEGEW MLKFYAPWCPSCQQT DSEWEAFAKNGEILQISVGKVDVIQEPGLSGRFFVTTLPAF FHA KDGI FRRYRGP G IFEDLQNYILEKKW QSVEPLTGWKSPASLTMSGMAGLFSIS GKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFGLFMGLVLVVI SEC FYVPLPRHLSER SEQNRRSEEAHRAEQLQDAEEEEKDDSNEEENKDSLVDDEEEKEDLGDEDEAEEMEE

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	EEDNLAAGVDEERSEANDQGPPGEDGVTREEVEPEEEAEEGISEQPCPADTEVVED SLRQRKSQHADKGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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.
Concentration	>0.05 µg/µl as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	TMX4 thioredoxin related transmembrane protein 4 [Homo sapiens (human)]
Official Symbol	TMX4
Synonyms	PDIA14; TXNDC13; DJ971N18.2
Gene ID	56255

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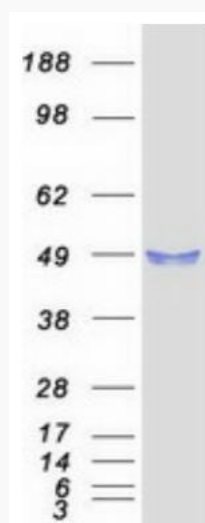
mRNA Refseq [NM_021156.4](#)

Protein Refseq [NP_066979.2](#)

MIM [616766](#)

UniProt ID [Q9H1E5](#)

SDS-PAGE



Coomassie blue staining of purified TMX4 protein.

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