Recombinant Human TMX1 Protein (Met1-Ser180), MIgG1 Fc-tagged

Cat. No. TMX1-603H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMX1 Protein (AAH36460.1) (Met1-Ser180) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of mouse IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser180
Description	As a thiol-based tumor suppressor, TMX1 increases mitochondrial ATP production and apoptosis progression. TMX1 is the first example of a topology-specific client protein redox catalyst acting both in the folding and in the degradative pathways.
Predicted N Terminal	Arg 27
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human TMX1 consists of 388 amino acids and predicts a molecular mass of 44.4 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.

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Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	TMX1 thioredoxin-related transmembrane protein 1 [Homo sapiens]
Official Symbol	TMX1
Synonyms	TMX1; TMX; TXNDC; TXNDC1; DKFZp564E1962;
Gene ID	81542
mRNA Refseq	NM_030755
Protein Refseq	NP_110382
MIM	610527

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UniProt ID	Q9H3N1

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