

Recombinant Human TXNDC12 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TXNDC12-6147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TXNDC12 MS Standard C13 and N15-labeled recombinant protein (NP_056997) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the thioredoxin superfamily. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. This protein localizes to the endoplasmic reticulum and has a single atypical active motif. The encoded protein is mainly involved in catalyzing native disulfide bond formation and displays activity similar to protein-disulfide isomerases. This protein may play a role in defense against endoplasmic reticulum stress. Alternate splicing results in both coding and non-coding variants.
Molecular Mass	19.2 kDa
AA Sequence	METRPRLGATCLLGFSFLLLVISSDGHNGLGKGFGDHIHWRTLEDGKKEAAASGLPL MVIIHKSWCGACKALKPKFAESTEISELSHNFVMVNLEDEEPPKHEDFSPDGGYIPRI LFLDPSGKVHPEIINENGNPYKYFYVSAEQVVQGMKEAQRLTGDAFRKKHLEDEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	TXNDC12 thioredoxin domain containing 12 [Homo sapiens (human)]
Official Symbol	TXNDC12
Synonyms	TXNDC12; thioredoxin domain containing 12 (endoplasmic reticulum); thioredoxin domain-containing protein 12; AGR1; anterior gradient homolog 1 (Xenopus laevis); endoplasmic reticulum thioredoxin superfamily member; 18 kDa; ERP18; ERP19; hAG 1; PDIA16; protein disulfide isomerase family A; member 16; TLP19; ER protein 18; ER protein 19; anterior gradient homolog 1; thioredoxin-like protein p19; endoplasmic reticulum protein ERp19; endoplasmic reticulum resident protein 18; endoplasmic reticulum resident protein 19; protein disulfide isomerase family A, member 16; endoplasmic reticulum thioredoxin superfamily member, 18 kDa; AG1; ERP16; hAG-1; hTLP19;
Gene ID	51060
mRNA Refseq	NM_015913
Protein Refseq	NP_056997

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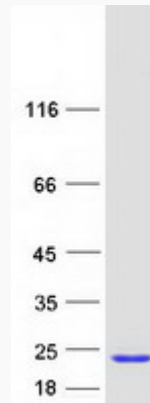
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MIM 609448

UniProt ID O95881

SDS-PAGE



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