

Product datasheet for PH303511

ERp19 (TXNDC12) (NM_015913) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TXNDC12 MS Standard C13 and N15-labeled recombinant protein (NP_056997)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203511
Predicted MW:	19.2 kDa
Protein Sequence:	>RC203511 protein sequence Red=Cloning site Green=Tags(s) METRPRLGATCLLGFSFLLLVISSDGHNLGKGFGDHIHWRTLEDGKKEAAASGLPLMVIHKSWCGACK ALKPKFAESTEISELSHNFVMVNLDEEPEPKHEDFSPDGGYIPRILFLDPSGKVVHPEIINENGNPSYKYF YVSAEQVVQGMKEAQERLTGDAFRKKHLEDEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_056997
RefSeq Size:	2412
RefSeq ORF:	516
Synonyms:	AG1; AGR1; ERP16; ERP18; ERP19; hAG-1; hTLP19; PDIA16; TLP19
Locus ID:	51060
UniProt ID:	O95881



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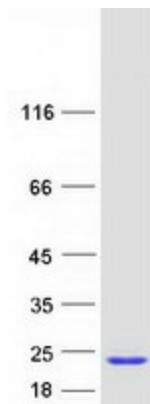
Cytogenetics: 1p32.3

Summary: 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. [provided by RefSeq, Mar 2012]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Glutathione metabolism

Product images:



Coomassie blue staining of purified TXNDC12 protein (Cat# [TP303511]). The protein was produced from HEK293T cells transfected with TXNDC12 cDNA clone (Cat# [RC203511]) using MegaTran 2.0 (Cat# [TT210002]).