

Product datasheet for PH301666

Thioredoxin 2 (TXN2) (NM_012473) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TXN2 MS Standard C13 and N15-labeled recombinant protein (NP_036605)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201666
Predicted MW:	18.4 kDa
Protein Sequence:	>RC201666 protein sequence Red =Cloning site Green =Tags(s) MAQRLLRRFLASVISRKPSQGQWPPLTSRALQTPQCSPGGLTVTPNPARTIYTTTRISLTTFNIQDGPDF QDRVVNSETPVVVDFHAQWCGPCKILGPRLEKMKVAKQHKGKVMKVDIDDHTDLAIEYEVSAPTFLAMK NGDVVDKFKVGIKDEDQLEAFLKLLIG TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_036605
RefSeq Size:	1342
RefSeq ORF:	498
Synonyms:	COXPD29; MT-TRX; MTRX; TRX2; TXN
Locus ID:	25828
UniProt ID:	Q99757



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Cytogenetics: 22q12.3

Summary: This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TXN2 protein (Cat# [TP301666]). The protein was produced from HEK293T cells transfected with TXN2 cDNA clone (Cat# [RC201666]) using MegaTran 2.0 (Cat# [TT210002]).