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Product datasheet for PH301710

PDIA6 (NM_005742) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDIA6 MS Standard C13 and N15-labeled recombinant protein (NP_005733)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201710
Predicted MW:	48.1 kDa
Protein Sequence:	>RC201710 protein sequence Red=Cloning site Green=Tags(s) MALLVLGLVSCTFFLAVNGLYSSSDDVIELTPSNFNREVIQSDSLWLVEFYAPWCGHCQRLTPEWKKAAT ALKDVVKVGAVDADKHHSLGGQYGVQGFPTIKIFGSNKNRPEDYQGGRTGEAIVDAALSALRQLVKDRLG GRSGGYSSGKQGRSDSSSKKDVIELTDDSFDKNVLDSEDVWMVEFYAPWCGHCKNLEPEWAAAASEVKEQ TKGKVKLAAVDATVNQVLASRYGIRGFPTIKIFQKGESPVDYDGGRTRSDIVSRALDLFSDNAPPPELLE IINEDIAKRTCEEHQLCVVAVLPHILDTGAAGRNSYLEVLLKLADKYKKKMWGWLWTEAGAQSELETALG IGGFGYPAMAAINARKMKFALLKGSFSEQGINEFLRELSFGRGSTAPVGGGAFPTIVEREPWDGRDGELP VEDDIDLSDVELDDLGKDEL 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_005733
RefSeq Size:	2349
RefSeq ORF:	1320
Synonyms:	ERP5; P5; TXNDC7

View online »

Locus ID: 10130

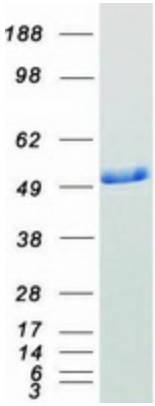
UniProt ID: Q15084, A0A384NPU5

Cytogenetics: 2p25.1

Summary: 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, two catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PDIA6 protein (Cat# [TP301710]). The protein was produced from HEK293T cells transfected with PDIA6 cDNA clone (Cat# [RC201710]) using MegaTran 2.0 (Cat# [TT210002]).