

Product datasheet for **TP304614L**

PYROXD1 (NM_024854) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pyridine nucleotide-disulphide oxidoreductase domain 1 (PYROXD1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC204614 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEAARPPPTAGKFWVGGGIAGVTCAEQLATHFPSEDILLVTASPVKAVTNFKQISKILEEFDVEEQSS
TMLGKRFPNIKVIESGVKQLKSEEHCIVTEDGNQHVVYKLLCLCAGAKPKLICEGNPPYVLGIRDTDSAQEF
QKQLTKAKRIMIIGNGGIALELVYEIEGCEVIWAIKDKAIGNTFDAGAAEFLTSKLAIEKSEAKIAHKR
TRYTTEGRKKEARSKSKADNVGSALGPDWHEGLNLKGTKEFSHKIHLETMCEVKKIYLQDEFRIKSKSF
TFPRDHKSVTADTEMWPVYVELTNEKIYGCDFIVSATGVTNPVFLHGNFSLDGEDGGLKVDHMHMTSL
PDIYAAGDICTTSWQLSPVWQQMRLWTQARQMGWYAAKCMAAAASSGDSIDMDFSELFHVTKFFNYKVV
LLGKYNAQGLGSDHELMRLRCKGREYIKVVMQNGRMMGAVLIGETDLEETFENLILNQMNLSYGEDLLD
PNIDIEDYFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

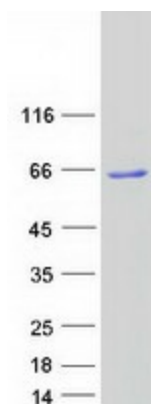
Tag:	C-Myc/DDK
Predicted MW:	55.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_079130
Locus ID:	79912
UniProt ID:	Q8WU10
RefSeq Size:	4136
Cytogenetics:	12p12.1
RefSeq ORF:	1500
Synonyms:	MFM8
Summary:	This gene encodes a nuclear-cytoplasmic pyridine nucleotide-disulphide reductase (PNDR). PNDRs are flavoproteins that catalyze the pyridine nucleotide-dependent reduction of thiol residues in other proteins. The encoded protein belongs to the class I pyridine nucleotide-disulphide oxidoreductase family but lacks the C-terminal dimerization domain found in other family members and instead has a C-terminal nitrile reductase domain. It localizes to the nucleus and to striated sarcomeric compartments. Naturally occurring mutations in this gene cause early-onset myopathy with internalized nuclei and myofibrillar disorganization. A pseudogene of this gene has been defined on chromosome 11. [provided by RefSeq, Apr 2017]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified PYROXD1 protein (Cat# [TP304614]). The protein was produced from HEK293T cells transfected with PYROXD1 cDNA clone (Cat# [RC204614]) using MegaTran 2.0 (Cat# [TT210002]).