

Product datasheet for **TP304614**

PYROXD1 (NM_024854) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human pyridine nucleotide-disulphide oxidoreductase domain 1 (PYROXD1), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA | >RC204614 protein sequence |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MEAARPPPTAGKFWVGGGIAGVTCAEQLATHFPSEDILLVTASPVKAVTNFKQISKILEEFDVEEQSS
TMLGKRFPNIKVIESGVKQLKSEEHCIVTEDGNQHVVYKLLCLCAGAKPKLICEGNPYVLGIRDTDSAQEF
QKQLTKAKRIMIIGNGGIALELVYEIEGCEVIWAIKDKAIGNTFDAGAAEFLTSKLAIEKSEAKIAHKR
TRYTTEGRKKEARSKSKADNVGSALGPDWHEGLNLKGTKEFSHKIHLETMCEVKKIYLQDEFRIKSKSF
TFPRDHKSVTADTEMWPVYVELTNEKIYGCDFIVSATGVTNPVFLHGNLSDLGEDGGLKVDHMHMTSL
PDIYAAGDICTTSWQLSPVWQQMRLWTQARQMGWYAAKCMAAAASSGDSIDMDFSELFHVTKFFNYKVV
LLGKYNAQGLGSDHELMRLRCKGREYIKVVMQNGRMMGAVLIGETDLEETFENLILNQMNLSYGEDLLD
PNIDIEDYFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

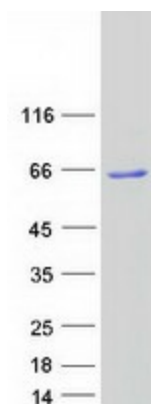
| | |
|-----------------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 55.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | 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]).