

## Product datasheet for PH304614

### PYROXD1 (NM\_024854) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PYROXD1 MS Standard C13 and N15-labeled recombinant protein (NP_079130)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204614
Predicted MW:	55.8 kDa
Protein Sequence:	>RC204614 protein sequence Red=Cloning site Green=Tags(s)

MEAAPPPPTAGKFFVVGGGIAGVTCAEQLATHFPSEDILLVTASPVKAVTNFKQISKILEEFDVEEQSS  
TMLGKRFPNIKVIESGVKQLKSEEHCIVTEDGNQHVVYKKLCLCAGAKPKLICEGNPYVLGIRDTDSAQEF  
QKQLTKAKRIMIIGNGGIALELVYEIEGCEVIWAIKDKAIGNTFDAGAAEFLTSKLI AEKSEAKIAHKR  
TRYTTEGRKKEARSKSKADNVGSALGPDWHEGLNLKGTKEFSHKIHLETMCEVKKIYLDQDEFRIK KKSF  
TFPRDHKSVTADTEMWPVYVELTNEKIYGCDFIVSATGVTNPVEPFLHGNSFDLGEDGGLKVDDHMHTSL  
PDIYAAGDICTTSWQLSPVWQQMRLWTQARQMGWYAAKCAAASSGDSIDMDFSELF AHVTKFFNYKVV  
LLGKYNAQGLGSDHELMRLCTKGREYIKVVMQNGRMMGAVLIGETDLEETFENLILNQMNLSYGEDLLD  
PNIDIEDYFD

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_079130</a>
RefSeq Size:	4136
RefSeq ORF:	1500



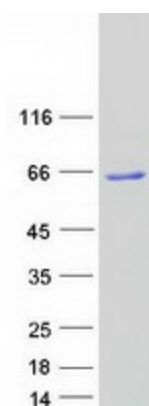
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**Synonyms:** MFM8  
**Locus ID:** 79912  
**UniProt ID:** [Q8WU10](#)  
**Cytogenetics:** 12p12.1

**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]).