

## Product datasheet for **RC204614L4V**

### **PYROXD1 (NM\_024854) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PYROXD1 (NM_024854) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PYROXD1
Synonyms:	MFM8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024854
ORF Size:	1500 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204614).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_024854.2</a>
RefSeq Size:	4136 bp
RefSeq ORF:	1503 bp
Locus ID:	79912
UniProt ID:	<a href="#">Q8WU10</a>
Cytogenetics:	12p12.1
Domains:	pyr_redox
Protein Families:	Druggable Genome



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**MW:** 55.8 kDa

**Gene 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]