

## Product datasheet for PH310356

### PON1 (NM\_000446) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PON1 MS Standard C13 and N15-labeled recombinant protein (NP_000437)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210356
Predicted MW:	39.7 kDa
Protein Sequence:	>RC210356 protein sequence Red=Cloning site Green=Tags(s)
	MAKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIE TGSEDL EILP NGLAFISSGLK YPGIKSFNPNSPGKILLMDLNEEDPTVLELGITGSKFDVSSFNPHGISTFTDEDNAMYLLVNHDPDAKST VELFKFQEEESLLHLKTI RHKLLPNLNDIVAVGPEHFYGTNDHYFLDPYLQSWEMYLG LAWSYVVYSP SEVRVVAEGFDFANGINISPDGKYVYIAELLAHKIHVYEK HANWTL TPLKSLDFNTLVDNISVDPETGDL WVGCHPNGMKIFFYDSENPPASEVLRIQNILTEEPKVTQVYAENGTVLQGSTVASVYKGLLIGTVFHKA LYCEL
	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_000437</a>
RefSeq Size:	1769
RefSeq ORF:	1065
Synonyms:	ESA; MVCD5; PON
Locus ID:	5444



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UniProt ID: [P27169](#)

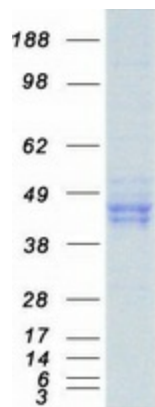
Cytogenetics: 7q21.3

**Summary:** This gene encodes a member of the paraoxonase family of enzymes and exhibits lactonase and ester hydrolase activity. Following synthesis in the kidney and liver, the enzyme is secreted into the circulation, where it binds to high density lipoprotein (HDL) particles and hydrolyzes thiolactones and xenobiotics, including paraoxon, a metabolite of the insecticide parathion. Polymorphisms in this gene may be associated with coronary artery disease and diabetic retinopathy. The gene is found in a cluster of three related paraoxonase genes on chromosome 7. [provided by RefSeq, Aug 2017]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Metabolic pathways

### Product images:



Coomassie blue staining of purified PON1 protein (Cat# [TP310356]). The protein was produced from HEK293T cells transfected with PON1 cDNA clone (Cat# [RC210356]) using MegaTran 2.0 (Cat# [TT210002]).