

## Product datasheet for **TP322624**

### PON2 (NM\_000305) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human paraoxonase 2 (PON2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222624 representing NM_000305 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGRLVAVGLLGLIALALLGERLLALRNRLKASREVESVDLPHCHLIKIEAGSEDIDILPNGLAFFSVGLK FPGLHSFAPDKPGGILMMDLKEEKPRARELRISRGFDLASFNPHGISTFIDNDDTVYLFVFNHPEFKNTV EIFKFEEAENSLHLKTVKHELLPSVNDITAVGPAHFYATNDHYFSDPFLKYLETYLNLHWANVVYSPN EVKVAEGFDSANGINISPDDKYIYVADILAHEIHVLEKHTNMNLTQLKVLDELDTVDNLSIDPSSGDIW VGCHPNGQKLFVYDPNPPSSEVLRIQNILSEKPTVTTYANNGSVLQGSSVASVYDGKLLIGTLYHRAL YCEL  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	39.2 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.
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:	<a href="#">NP_000296</a>
Locus ID:	5445



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UniProt ID: [Q15165](#)

RefSeq Size: 1669

Cytogenetics: 7q21.3

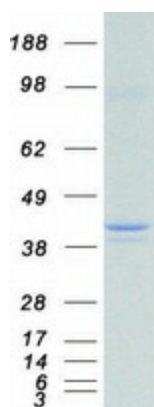
RefSeq ORF: 1062

**Summary:** This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways

### Product images:



Coomassie blue staining of purified PON2 protein (Cat# TP322624). The protein was produced from HEK293T cells transfected with PON2 cDNA clone (Cat# [RC222624]) using MegaTran 2.0 (Cat# [TT210002]).