Recombinant Full Length Human PON2 Protein, C-Flag-tagged

Cat. No. PON2-1153HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PON2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.2 kDa
AA Sequence	MGRLVAVGLLGIALALLGERLLALRNRLKASREVESVDLPHCHLIKGIEAGSEDIDILP NGLAFFSVGLK FPGLHSFAPDKPGGILMMDLKEEKPRARELRISRGFDLASFNPHGI STFIDNDDTVYLFVVNHPEFKNTV EIFKFEEAENSLLHLKTVKHELLPSVNDITAVGPA HFYATNDHYFSDPFLKYLETYLNLHWANVVYYSPN EVKVVAEGFDSANGINISPDDK

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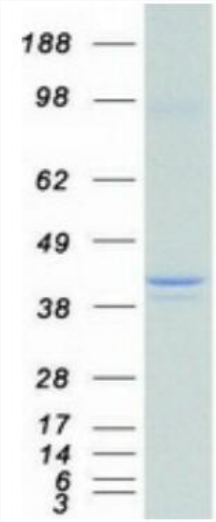
	YIYVADILAHEIHVLEKHTNMNLTQLKVLELDTLVDNLSIDPSSGDIW VGCHPNGQKL FVYDPNNPPSSEVLRIQNILSEKPTVTTVYANNGSVLQGSSVASVYDGKLLIGTLYHR AL YCELTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	PON2 paraoxonase 2 [Homo sapiens (human)]
Official Symbol	PON2
Synonyms	A-esterase 2; aromatic esterase 2; paraoxonase 2; paraoxonase nirs; serum aryldialkylphosphatase 2; serum paraoxonase/arylesterase 2

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Gene ID	5445
mRNA Refseq	NM_000305.3
Protein Refseq	NP_000296.2
MIM	602447
UniProt ID	Q15165



Coomassie blue staining of purified PON2 protein.

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