

Recombinant Human PON1 293 Cell Lysate

Cat. No. PON1-3014HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for paraoxonase 1 (PON1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PON1 paraoxonase 1 [Homo sapiens]
Official Symbol	PON1
Synonyms	PON1; paraoxonase 1; PON; serum paraoxonase/arylesterase 1; ESA; esterase A; K-45; PON 1; A-esterase 1; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldialkylphosphatase; serum aryldialkylphosphatase 1; MVCD5;
Gene ID	5444
mRNA Refseq	NM_000446
Protein Refseq	NP_000437
UniProt ID	P27169
Chromosome Location	7q21.3
Pathway	Metabolic pathways, organism-specific biosystem;
Function	aryldialkylphosphatase activity; arylesterase activity; arylesterase activity; calcium ion binding; hydrolase activity; phospholipid binding; protein homodimerization activity;

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