Human PON2 Knockdown Cell Lysate

Cat. No. PON2-394HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PON2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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	Cell-Tissue Lysis buffer
Molecular Mass	39 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PON2 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PON2 paraoxonase 2 [Homo sapiens (human)]
Official Symbol	PON2
Synonyms	PON2; paraoxonase 2; serum paraoxonase/arylesterase 2; paraoxonase nirs; PON 2; A-esterase 2; aromatic esterase 2; serum aryldialkylphosphatase 2;
Gene ID	5445
mRNA Refseq	NM_000305
Protein Refseq	NP_000296
MIM	602447

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UniProt ID	Q15165

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