Recombinant Human PTPRF, GST-tagged, Active

Cat. No. PTPRF-469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPRF (1275-1897) was expressed in*E.Coli*using an N-terminal GST tag. MW=93kDa.
Species	Human
Source	E.coli
ProteinLength	1275-1897 a.a.
Description	PTPRF or LAR is a member of the protein tyrosine phosphatase family with an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains. PTPRF has been shown to function in the regulation of epithelial cell-cell contacts at adherents junctions as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance.
Sequence	1275-1897.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	PTPRF protein tyrosine phosphatase, receptor type, F [Homo sapiens]
Synonyms	PTPRF; protein tyrosine phosphatase, receptor type, F; LCA-homolog; OTTHUMP00000008683; OTTHUMP00000008684; leukocyte antigen-related (LAR) PTP receptor; leukocyte antigen-related tyrosine phosphatase; protein tyrosine phosphatase, receptor type, F polypeptide; receptor-linked protein-tyrosine phosphatase LAR; LAR; FLJ43335; FLJ45062; FLJ45567; EC 3.1.3.48
Gene ID	5792
mRNA Refseq	NM_002840
Protein Refseq	NP_002831
MIM	179590
UniProt ID	P10586
Pathway	Adherens junction; Cell adhesion molecules (CAMs); Insulin signaling pathway
Function	heparan sulfate proteoglycan binding; heparin binding; hydrolase activit; protein binding; protein kinase binding; transmembrane receptor protein tyrosine phosphatase activity

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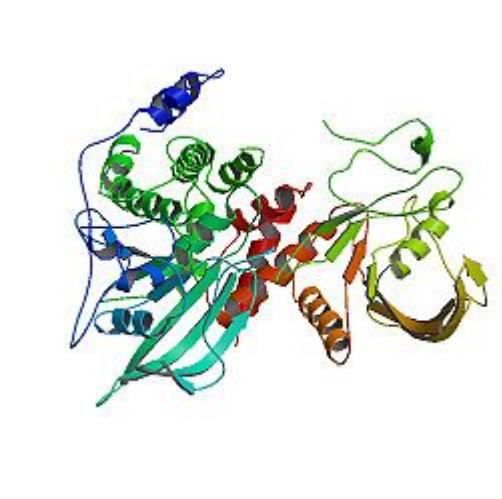
PDB rendering based on 1lar.	

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