

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 <i>E. Coli</i> using an N-terminal GST tag. MW=93kDa.
Species	Human
Source	E.coli
Protein Length	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 -70°C . 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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22q13.33

1p34

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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