

PTPRF (LAR) Recombinant Protein | PTPRF recombinant protein

PTPRF (LAR), Active

CATALOG # AAA73852	HOST E Coli	APPLICATIONS Western Blot
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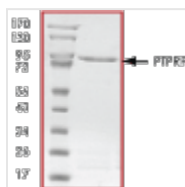
PRODUCT SYNONYMS

PTPRF (LAR); Active; LAR; PTPRF recombinant protein

PRODUCT SPECIFICATIONS

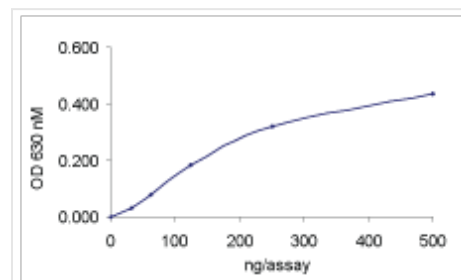
Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PTPRF recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPRF recombinant protein	Recombinant human PTPRF (1275-1897) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_002840. 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 (1). 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 (2).
Product Categories/Family for PTPRF recombinant protein	Phosphatases; Cancer; Invasion/Metastasis; Phosphatases

References

1. Ahmad, F. et al: Functional association between the insulin receptor and the transmembrane protein-tyrosine phosphatase LAR in intact cells. J. Biol. Chem. 272: 448-457, 1997.
2. Tsujikawa, K. et al: Distinct functions of the two protein tyrosine phosphatase domains of LAR (leukocyte common antigen-related) on tyrosine dephosphorylation of insulin receptor. Molec. Endocr. 15: 271-280, 2001. J. 2003 Aug 15;22(16):4121-31.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002840](#)

Molecular Weight

~93kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ptprf-lar-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73852>