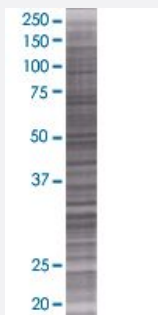


PTPRF 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005792-T01

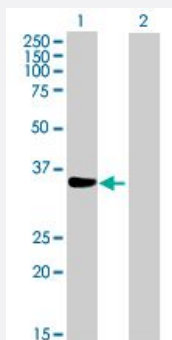
Size 100 uL

Applications



SDS-PAGE Gel

PTPRF transfected lysate.



Western Blot

Lane 1: PTPRF transfected lysate (38.94 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PTPRF full-length

Host Human

Theoretical MW (kDa) 38.94

Quality Control Testing Transient overexpression cell lysate was tested with Anti-PTPRF antibody ([H00005792-B01](#)) by Western Blots.
 SDS-PAGE Gel
 PTPRF transfected lysate.
 Western Blot
 Lane 1: PTPRF transfected lysate (38.94 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PTPRF

Entrez GeneID	5792
GeneBank Accession#	ENST00000333953
Protein Accession#	ENSP00000361488
Gene Name	PTPRF
Gene Alias	FLJ43335, FLJ45062, FLJ45567, LAR
Gene Description	protein tyrosine phosphatase, receptor type, F
Omim ID	179590
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherens 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. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq]
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Other Designations	LCA-homolog 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
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Pathway

- [Adherens junction](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Insulin signaling pathway](#)

Disease

- [Diabetes Mellitus](#)
- [Insulin Resistance](#)
- [Obesity](#)