



PTPRD blocking peptide (CDBP5970)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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 contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of three Ig-like and eight fibronectin type III-like domains. Studies of the similar genes in chicken and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance. Multiple alternatively spliced transcript variants of this gene have been reported. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Jan 2010]

Conjugate

Unconjugated

Applications

Used as a blocking peptide in immunoblotting applications.

Format

Liquid

Concentration

200 µg/mL

Size

0.05 mg

Preservative

None

Storage

-20°C

GENE INFORMATION

Gene Name

[PTPRD protein tyrosine phosphatase, receptor type, D \[Homo sapiens \(human\) \]](#)

Official Symbol

PTPRD

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|-----------------------|---|
| Synonyms | PTPRD; protein tyrosine phosphatase, receptor type, D; HPTP; PTPD; HPTPD; HPTPDELTA; RPTPDELTA; receptor-type tyrosine-protein phosphatase delta; R-PTP-delta; protein tyrosine phosphatase, receptor type, delta polypeptide |
| Entrez Gene ID | 5789 |
| mRNA Refseq | NM_001040712 |
| Protein Refseq | NP_001035802 |
| UniProt ID | P23468 |
| Function | cell adhesion molecule binding; protein binding; receptor binding; transmembrane receptor protein tyrosine phosphatase activity |