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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PTPRR (Human) Recombinant Protein (P01)

Catalog Number: H00005801-P01

Regulation Status: For research use only (RUO)

Product Description: Human PTPRR full-length ORF (NP_002840.1, 1 a.a. - 657 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRRAVCFPALCLLLNLHAAGCFSGNNDHFLAINQKKS
GKPVFIYKHSQDIEKSLDIAPQKIYRHSYHSSSEAQVSK
RHQIVNSAFPRPAYDPSLNLLAMDGGQDLEVENLPIAA
NVIVVTLQMDVNKLNITLLRIFRQGVAAALGLLPQQVHI
NRLIGKKNSEIELFVSPINRKTGISDALPSEEVLRSLNIN
LHQSLSQFGITEVSPEKNVLQGQHEADKIWSKEGFYA
VVIFLSIFVIIVTCLMILYRLKERFQLSLRQDKEKNQEIHL
SPITLQPALSEAKTVHSMVQPEQAPKVLNVVVDPQGR
GAPEIRATTATSVCPSPFKMKPIGLQERRGSNVSLTLD
MSSLGNIPEFVSIPTPREKVAMEYLSASRILTRSCLR
DVVASSHLLQSEFMEIPMNFVDPKEIDIPRHGTKNRYK
TILPNLSRVCLRPKNVTDSLSTYINANYIRGYSGKEKA
FIATQGPMINTVDDFWQMWWQEDSPVIVMITKLKEKNE
KCVLYWPEKRGYKVEVLVISVNECDNYTIRNLVLKQ
GSHTQHVKHYYWTSWPDHKTDSAQPLLQLMLDVEE
DRLASQGRGPVVVHCSAGIGRTGCFIATSIGCQQLKE
EGVVDALSIVCQLRMDRGGMVQTSEQYEFVHHALCLY
ESRLSAETVQ

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 100.3

Interspecies Antigen Sequence: Mouse (89); Rat (89)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5801

Gene Symbol: PTPRR

Gene Alias: DKFZp781C1038, EC-PTP, FLJ34328, MGC131968, MGC148170, PCPTP1, PTP-SL, PTPBR7, PTPRQ

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 a single intracellular catalytic domains, and thus represents a receptor-type PTP. The similar gene predominately expressed in mouse brain was found to associate with, and thus regulate the activity and cellular localization of MAP kinases. The rat counterpart of this gene was reported to be regulated by the nerve growth factor, which suggested the function of this gene in neuronal growth and differentiation. [provided by RefSeq]

References:

1. Inhibitor of the Tyrosine Phosphatase STEP Reverses Cognitive Deficits in a Mouse Model of Alzheimer's Disease. Xu J, Chatterjee M, Baguley TD, Brouillette J, Kurup P, Ghosh D, Kanyo J, Zhang Y, Seyb K, Ononenyi C, Foscue E, Anderson GM, Gresack J, Cuny GD, Glicksman MA, Greengard P, Lam TT, Tautz L, Nairn AC, Ellman JA, Lombroso PJ PLoS Biol. 2014 Aug 5;12(8):e1001923. doi: 10.1371/journal.pbio.1001923. eCollection 2014 Aug.