Receptor-Type Tyrosine-Protein Phosphatase Eta (PTPRJ) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Receptor-type tyrosine-protein phosphatase eta (PTPRJ), Recombinant Protein
Full Product Name	Recombinant Chicken Receptor-type tyrosine-protein phosphatase eta (PTPRJ), partial
Product Gene Name	PTPRJ recombinant protein
Product Synonym Gene Name	PTPRJ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	154,214 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9W6V5
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PTPRJ recombinant protein	This protein 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 containing five fibronectin type III repeats, a single transmembrane region, and a single intracytoplasmic catalytic domain, and thus represents a receptor-type PTP. This protein is present in all hematopoietic lineages, and was shown to negatively regulate T cell receptor signaling possibly through interfering with the phosphorylation of Phospholipase C Gamma 1 and Linker for Activation of T Cells. This protein can also dephosphorylate the PDGF beta receptor, and may be involved in UV-induced signal transduction. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of PTPRJ recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PTPRJ purchase	MBS1380399 is a recombinant protein targeting PTPRJ. Also known as Recombinant Chicken Receptor-type tyrosine-protein phosphatase eta (PTPRJ), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPRJ. It may not necessarily be applicable to this product.

NCBI GI #	45382907
NCBI GeneID	395330
NCBI Accession #	NP_989952.1
UniProt Primary Accession #	Q9W6V5

UniProt Related Accession #	Q9W6V5
GenBank Nucleotide #	NM_204621.1
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase eta
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type J
NCBI Official Symbol	PTPRJ
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase eta
UniProt Synonym Protein Names	HPTP eta; Protein-tyrosine phosphatase receptor type J; R-PTP-J; Supporting-cell antigen
Protein Family	Receptor-type tyrosine-protein phosphatase
UniProt Gene Name	PTPRJ
UniProt Synonym Gene Names	Protein-tyrosine phosphatase eta; R-PTP-eta; R-PTP-J
NCBI Protein Information	receptor-type tyrosine-protein phosphatase eta
UniProt Comments for PTPRJ	Tyrosine phosphatase which dephosphorylates or contributes to the dephosphorylation of several substrates. Plays a role in cell adhesion, migration, proliferation and differentiation (). May influence the potential of nonsensory supporting cells to either proliferate or differentiate into hair cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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