RNA/RNP Complex-1-Interacting Phosphatase (DUSP11) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA/RNP complex-1-interacting phosphatase (Dusp11), Recombinant Protein
Full Product Name	Recombinant Rat RNA/RNP complex-1-interacting phosphatase (Dusp11)
Product Gene Name	Dusp11 recombinant protein
Product Synonym Gene Name	Dusp11
Sequence	MNQWHYGRYS RGRDFTARAP PKKKGKNQIP ERWKDYLPVG QRMPGTRFIA FKVPLQKKFE AKLMPEECFS PLDLFNKIQE QNEELGLIID LTYTQRYYKV EDLPKTISYI KILTVGHQVP DSGTIFQFKS AVKEFLKRNK NNDKLIGVHC THGLNRTGYL ICRYLIDVEG MRPDDAIELF NRCRGHCIER QNYIENLQKR RVRKNQNASA SRSGGLEDSA HLTEQVHTTN KPVNKGPKKS RRGGHLESSQ HVQTQSSAYS FRKWSQNQSV YQRGFVPPPG PAGEDYSQRR FFWSMRPNGS QATHHKKWIA ASYQRPFYPA SWEWNV
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	38,068 Da
Sequence Positions	1-326, full length protein
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 Q4KM79
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dusp11 recombinant protein	This protein is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK ERK, SAPK JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product is localized to the nucleus and binds directly to RNA and splicing factors, and thus it is suggested to participate in nuclear mRNA metabolism.
Other Notes	Small volumes of Dusp11 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 Dusp11 purchase	MBS1448070 is a recombinant protein targeting Dusp11. Also known as Recombinant Rat RNA/RNP complex-1-interacting phosphatase (Dusp11). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dusp11. It may not necessarily be applicable to this product.

NCBI GI #	71043696
NCBI GeneID	297412
NCBI Accession #	NP_001020821.1
UniProt Primary Accession #	Q4KM79
UniProt Related Accession #	Q4KM79
GenBank Nucleotide #	NM_001025650.1
NCBI Official Full Name	RNA/RNP complex-1-interacting phosphatase
NCBI Official Synonym Full Names	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)
NCBI Official Symbol	Dusp11
UniProt Protein Name	RNA/RNP complex-1-interacting phosphatase
UniProt Synonym Protein Names	Dual specificity protein phosphatase 11; Phosphatase that interacts with RNA/RNP complex 1
Protein Family	RNA/RNP complex-1-interacting phosphatase
UniProt Gene Name	Dusp11
UniProt Synonym Gene Names	Pir1
NCBI Protein Information	RNA/RNP complex-1-interacting phosphatase
UniProt Comments for Dusp11	Possesses RNA 5'-triphosphatase and diphosphatase activities, but displays a poor protein-tyrosine phosphatase activity. In addition, has phosphatase activity with ATP, ADP and O-methylfluorescein phosphate (in vitro). Binds to RNA. May participate in nuclear mRNA metabolism.
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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