Dihydropyrimidinase-Related Protein 4 (DPYSL4) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydropyrimidinase-related protein 4 (Dpysl4), Recombinant Protein
Full Product Name	Recombinant Rat Dihydropyrimidinase-related protein 4 (Dpysl4)
Product Gene Name	Dpysl4 recombinant protein
Product Synonym Gene Name	Dpysl4
Sequence	IPRITSDRLL IKGGKIVNDD QSFHADLYVE DGLIKQIGEN LIVPGGIKTI DAHGLMVLPG GVDVHTRLQM PVLGMTPADD FCQGTKAALA GGTTMILDHV FPDAGVSLLA AYEQWRERAD SAACCDYSLH VDIPRWHEST KEELEALVRD KGVNSFLVFM AYKDRCQCTD GQIYEIFSLI RDLGAVAQVH AENGDIVEEE QKRLLEQGIT GPEGHVLSHP EEVEAEAVYR AVTIAKQANC PLYITKVMSK GAADMVAQAK RRGVVVFGEP ITASLGTDGS HYWSKNWAKA AAFVTSPPIN PDPTTADHLT SLLSSGDLQV TGSAHCTFTT AQKAVGKDNF TLIPEGINGI EERMSVVWEK CVASGKMDEN EFVAVTSTNA AKIFNFYPRK GRVAVGSDAD LVIWNPRATK VISAKSHNLN VEYNIFEGVE CRGMPTVVIS QGRVVLEDGN LLVTPGAGRF IPRKTFPDFV YKRIKARNRL AEIHGVPRGL YDGPVHEVML PAKPGSGTQA RASCPGKISV PPVRNLHQSG FSLSGSQADD HIARRTAQKI MAPPGGRSNI TSLS
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	61,086 Da
Sequence Positions	1-564, 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 Q62951
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dpysl4 recombinant protein	MBS1486597 is a recombinant protein targeting Dpysl4. Also known as Recombinant Rat Dihydropyrimidinase-related protein 4 (Dpysl4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Dpysl4 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dpysl4. It may not necessarily be applicable to this product.

NCBI GI #	158186661
NCBI GeneID	25417

NCBI Accession #	NP_037065.1
UniProt Primary Accession #	Q62951
UniProt Related Accession #	Q62951
GenBank Nucleotide #	NM_012933.1
NCBI Official Full Name	dihydropyrimidinase-related protein 4
NCBI Official Synonym Full Names	dihydropyrimidinase-like 4
NCBI Official Symbol	Dpysl4
NCBI Official Synonym Symbols	Crmp3; Dpys4
UniProt Protein Name	Dihydropyrimidinase-related protein 4
UniProt Synonym Protein Names	Collapsin response mediator protein 3; CRMP-3; UNC33-like phosphoprotein 4; ULIP-4
Protein Family	Dihydropyrimidinase-related protein
UniProt Gene Name	Dpysl4
UniProt Synonym Gene Names	Crmp3; Ulip4; DRP-4; CRMP-3; ULIP-4
NCBI Protein Information	dihydropyrimidinase-related protein 4
NCBI Summary for Dpysl4	protein that may regulate neuronal plasticity by transducing signals from semaphorins [RGD, Feb 2006]
UniProt Comments for Dpysl4	Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth cone collapse and cell migration ().
Research Articles on Dpysl4	**1.** The findings demonstrated that calpain-truncated CRMP-3 and -4 act as pro-apoptotic players when CGNs undergo apoptosis.
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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