Docking Protein 2 (DOK2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Docking protein 2 (Dok2), Recombinant Protein
Full Product Name	Recombinant Mouse Docking protein 2 (Dok2)
Product Gene Name	Dok2 recombinant protein
Sequence	MVRMEEPAVK QGFLHLQQQQ TFGKKWRRFA AVLYGESGCA LARLELQDVP EKTRRGEATR KVVRLSDCLR VAEVGSEASS PRDTSAFILE TKERLYLLAA PSAERSDWIQ AICLLAFPGQ RKGSPGLEEK SGSPCMEENE LYSSSTTGLC KEYMVTIRPT EASERCRLRG SYTLRTGVSA LELWGGPEPG TQLYDWPYRF LRRFGRDKAT FSFEAGRRCL SGEGNFEFET RHGNEIFQAL EKVIAVQKNA TPSGPPSLPA TGPMMPTVLP RPESPYSRPH DSLPSPSPGT LVPGMRPGAP EGEYAVPFDT VAHSLRKSFR GLLTGPPPHL PDPLYDSIQE DPGAPLPDHI YDEPEGVAAL SLYDRTQRPS GETWREQATA DGGPSSLQQD SSVPDWPQAT EYDNVILKKG PK
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	45,522 Da
Sequence Positions	1-412, 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 O70469
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dok2 recombinant protein	This protein is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr abl), a chimeric protein whose presence is associated with CML. This encoded protein binds p120 (RasGAP) from CML cells.
Other Notes	Small volumes of Dok2 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 Dok2 purchase	MBS1000181 is a recombinant protein targeting Dok2. Also known as Recombinant Mouse Docking protein 2 (Dok2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dok2. It may not necessarily be applicable to this product.

NCBI GI #	6753668
NCBI GeneID	13449

NCBI Accession #	NP_034201.1
UniProt Primary Accession #	O70469
UniProt Secondary Accession #	O70272; Q99KL1
UniProt Related Accession #	O70469
GenBank Nucleotide #	NM_010071.2
NCBI Official Full Name	docking protein 2
NCBI Official Synonym Full Names	docking protein 2
NCBI Official Symbol	Dok2
NCBI Official Synonym Symbols	DokR; Frip; dok-R
UniProt Protein Name	Docking protein 2
UniProt Synonym Protein Names	Dok-related protein; Dok-R; Downstream of tyrosine kinase 2; IL-four receptor-interacting protein; FRIP; p56(dok-2)
Protein Family	Docking protein
UniProt Gene Name	Dok2
UniProt Synonym Gene Names	Frip; Dok-R; FRIP
NCBI Protein Information	docking protein 2
UniProt Comments for Dok2	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate the cellular proliferation induced by IL-4, as well as IL-2 and IL-3. May be involved in modulating Bcr-Abl signaling. Attenuates EGF-stimulated MAP kinase activation.
Research Articles on Dok2	**1.** These results reveal the critical involvement of Dok-1 and Dok-2 in a negative-feedback loop that prevents overactivation of CD8(+) T cells and promotes memory formation.
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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