Dedicator of Cytokinesis Protein 6 (DOCK6) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dedicator of cytokinesis protein 6 (DOCK6), Recombinant Protein
Full Product Name	Recombinant Human Dedicator of cytokinesis protein 6 (DOCK6) , partial
Product Gene Name	DOCK6 recombinant protein
Product Synonym Gene Name	DOCK6
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	229,558 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.
OMIM	614194
3D Structure	ModBase 3D Structure for Q96HP0
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DOCK6 recombinant protein	MBS1323717 is a recombinant protein targeting DOCK6. Also known as Recombinant Human Dedicator of cytokinesis protein 6 (DOCK6) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DOCK6 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 DOCK6. It may not necessarily be applicable to this product.

NCBI GI #	157426887
NCBI GeneID	57572
NCBI Accession #	NP_065863.2
UniProt Primary Accession #	Q96HP0
UniProt Secondary Accession #	Q7Z7P4; Q9P2F2; A6H8X5
UniProt Related Accession #	Q96HP0
GenBank Nucleotide #	NM_020812.3
NCBI Official Full Name	dedicator of cytokinesis protein 6

NCBI Official Synonym Full Names	dedicator of cytokinesis 6
NCBI Official Symbol	DOCK6
NCBI Official Synonym Symbols	AOS2; ZIR1
UniProt Protein Name	Dedicator of cytokinesis protein 6
Protein Family	Dedicator of cytokinesis protein
UniProt Gene Name	DOCK6
UniProt Synonym Gene Names	KIAA1395
NCBI Protein Information	dedicator of cytokinesis protein 6
NCBI Summary for DOCK6	This gene encodes a member of the dedicator of cytokinesis (DOCK) family of atypical guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with small GTPases and are components of intracellular signaling networks. The encoded protein is a group C DOCK protein and plays a role in actin cytoskeletal reorganization by activating the Rho GTPases Cdc42 and Rac1. Mutations in this gene are associated with Adams-Oliver syndrome 2. [provided by RefSeq, Dec 2011]
UniProt Comments for DOCK6	Acts as guanine nucleotide exchange factor (GEF) for CDC42 and RAC1 small GTPases. Through its activation of CDC42 and RAC1, may regulate neurite outgrowth ().
Research Articles on DOCK6	**1.** acute knockdown of the Adams-Oliver syndrome (AOS) gene DOCK6, coding for a RAC1/CDC42 guanine nucleotide exchange factor, results in strikingly different phenotypes to those generated by genomic DOCK6 disruption.
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