DOCK2 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	DOCK2, Blocking Peptide
Full Product Name	DOCK2 Blocking Peptide
Product Gene Name	DOCK2 blocking peptide
Product Synonym Names	Dedicator of cyto kinesis 2; Dedicator of cytokinesis 2; Dedicator of cytokinesis protein 2; DOCK 2; FLJ46592; KIAA0209
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	DOCK2 peptide (MBS9627504) is used for blocking the activity of DOCK2 antibody (MBS9608792)
Molecular Weight	1830
Chromosome Location	Chromosome: 5; NC_000005.9 (169064251..169510386). Location: 5q35.1
OMIM	603122
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for DOCK2 blocking peptide	Blocking/Control
Related Product Information for DOCK2 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of DOCK2 blocking peptide 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 DOCK2 purchase	MBS9627504 is a blocking peptide targeting DOCK2.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DOCK2. It may not necessarily be applicable to this product.

NCBI GI #	31377468
NCBI GeneID	1794
NCBI Accession #	NP_004937.1
UniProt Primary Accession #	Q92608
UniProt Secondary Accession #	Q2M3I0; Q96AK7

UniProt Related Accession #	Q92608
GenBank Nucleotide #	NM_004946.3
NCBI Official Full Name	dedicator of cytokinesis protein 2
NCBI Official Synonym Full Names	dedicator of cytokinesis 2
NCBI Official Symbol	DOCK2
UniProt Protein Name	Dedicator of cytokinesis protein 2
Protein Family	Dedicator of cytokinesis protein
UniProt Gene Name	DOCK2
UniProt Synonym Gene Names	KIAA0209
UniProt Entry Name	DOCK2_HUMAN
NCBI Protein Information	dedicator of cytokinesis protein 2; dedicator of cyto-kinesis 2
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Online datasheet: https://www.mybiosource.com/blocking-peptide/dock2/9627504