DOK2 cDNA Clone – Docking Protein 2, 56kDa (Human)

PRODUCT OVERVIEW

Product Name	DOK2, cDNA Clone
Full Product Name	DOK2 cDNA Clone
Product Gene Name	DOK2 cdna clone
Sequence	atgggagacg gggcagtgaa acaaggcttc ttgtatcttc agcagcagca gacgtttgga aagaaatggc gccgcttcgg cgcctcactg tatggagggt cggactgcgc cttggcccgg ctggagctgc aggagggccc ggagaagcct cgtcggtgtg aggctgcccg gaaggtcatc cgcctcagtg actgcctgcg ggtggccgag gccggcggag aggccagcag cccccgggac accagtgcct tcttcctgga gaccaaggag cgcctgtacc tcctggcggc ccctgcagcg gagcgcggcg actgggtgca ggccatctgc ctcctggcct tccccgggca gaggaaggag ctctcggggc cagagggaaa gcagagccgg ccctgcatgg aggaaaatga attgtacagc agcgcagtca cagtcggccc ccacaaggaa tttgctgtga ccatgagacc tacagaagcc agtgagaggt gccacctgcg ggggtcctat accctccggg ctggggagag tgccctggag ctgtggggtg ggcccgagcc agggacccag ctgtacgact ggccctacag gtttctgcgg cgctttgggc gggacaaggt aacctttcc tttgaggcag gccgtcgctg cgtctctgga gagggcaact ttgagttcga aacccggcaa ggcaatgaga tcttcttggc cctggaagag gccatctctg cccagaagaa tgctgcaccc gctacacccc aaccgcagcc agccacaatc cccgcctcgc tgccccggcc tgatagcccc tactctcggc cgcatgactc actgccgccg ccttcaccca ccacaccggt gcctgctcca cggcctcggg gccaggaggg ggagtatgcc gtgcccttcg atgcggtggc ccgttccttg gggaagaact tcaggggcat cttggcagtc cctcctcagc tcctggccga ccctctgtac gacagcattg aggagaccct gccccctcga cctgaccaca tatacgatga gcccgaggga gtggctgccc tgtccctcta tgacagcccg caggagcccc ggggtgaggc atggaggagg caggcgacag ctgacaggga ccctgctggc ctccagcatg tccagccagc tgggcaggat ttctctgctt ctggctggca gccaggaact gagtatgaca atgttgtact aaagaaaggc ccaaagtga
Molecular Weight	45,379 Da
OMIM	604997
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DOK2 cdna clone	MBS1277410 is a cDNA clone targeting DOK2.
Other Notes	Small volumes of DOK2 cdna clone 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 DOK2. It may not necessarily be applicable to this product.

NCBI GI #	21618482
NCBI GeneID	9046
NCBI Accession #	BC032623
UniProt Secondary Accession #	Q8N5A4
UniProt Related Accession #	O60496
NCBI Official Full Name	Homo sapiens docking protein 2, 56kDa, mRNA
NCBI Official Synonym Full Names	docking protein 2
NCBI Official Symbol	DOK2
NCBI Official Synonym Symbols	p56DOK; p56dok-2

UniProt Protein Name	Docking protein 2
UniProt Synonym Protein Names	Downstream of tyrosine kinase 2; p56(dok-2)
Protein Family	Docking protein
UniProt Gene Name	DOK2
UniProt Entry Name	DOK2_HUMAN
NCBI Protein Information	docking protein 2
NCBI Summary for DOK2	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
UniProt Comments for DOK2	DOK2: a member of the p62dok family of proteins that interact with receptor tyrosine kinases and mediate particular biological responses. 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. Contains a pleckstrin homology domain at the amino terminus, 13 potential tyrosine phosphorylation sites, and six PXXP SH3 recognition motifs. Binds p120 (RasGAP) from CML cells. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 8p21.3 Cellular Component: cytosol Molecular Function: protein binding Biological Process: cell surface receptor linked signal transduction; leukocyte migration; signal transduction
Research Articles on DOK2	**1.** point mutations in DOK1 and DOK2 genes are detected with low frequency in chronic myelomonocytic leukemia but may have consequences for the function of the DOK2 PTB domain
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cdna-clone/dok2/1277410