Diacylglycerol Kinase Eta (DGKH) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Diacylglycerol kinase eta (DGKH), Recombinant Protein
Full Product Name	Recombinant Human Diacylglycerol kinase eta (DGKH) , partial
Product Gene Name	DGKH recombinant protein
Product Synonym Gene Name	DGKH
Sequence	TSIKEGQLLK QTSSFQRWKK RYFKLRGRTL YYAKDSKSLI FDEVDLSDAS VAEASTKNAN NSFTIITPFR RLMLCAENRK EMEDWISSLK SVQTREPYEV AQFNVEHFSG MHNWYACSHA RPTFCNVCRE SLSGVTSHGL SCEVCKFKAH KRCAVRATNN CKWTTLASIG KDIIEDEDGV AMPHQWLEGN LPVSAKCAVC DKTCGSVLRL QDWKCLWCKT MVHTACKDLY HPICPLGQCK VSIIPPIALN STDSDGFCRA TFSFCVSPLL VFVNSKSGDN QGVKFLRRFK QLLNPAQVFD LMNGGPHLGL RLFQKFDNFR ILVCGGDGSV GWVLSEIDKL NLNKQCQLGV LPLGTGNDLA RVLGWGGSYD DDTQLPQILE KLERASTKML DRWSIMTYE
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	120,566 Da
Sequence Positions	65-463aa; Partial
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	604071
3D Structure	ModBase 3D Structure for Q86XP1
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DGKH recombinant protein	This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family of proteins, specifically the type II DGK subfamily. Members of this family are involved in regulating the intracellular concentrations of diacylglycerol and phosphatidic acid. Two transcript variants encoding distinct isoforms have been identified for this gene.
Other Notes	Small volumes of DGKH 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 DGKH purchase	MBS1418802 is a recombinant protein targeting DGKH. Also known as Recombinant Human Diacylglycerol kinase eta (DGKH) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	325197213

NCBI GeneID	160851
NCBI Accession #	NP_001191433.1
UniProt Primary Accession #	Q86XP1
UniProt Secondary Accession #	Q5VZW0; Q6PI56; Q86XP2; Q8N3N0; Q8N7J9; A2A2W7; A6NFX7; B4DZ34
UniProt Related Accession #	Q86XP1
GenBank Nucleotide #	NM_001204504.2
NCBI Official Full Name	diacylglycerol kinase eta isoform 1
NCBI Official Synonym Full Names	diacylglycerol kinase eta
NCBI Official Symbol	DGKH
NCBI Official Synonym Symbols	DGKeta
UniProt Protein Name	Diacylglycerol kinase eta
UniProt Synonym Protein Names	Diglyceride kinase eta; DGK-eta
UniProt Gene Name	DGKH
UniProt Synonym Gene Names	DAG kinase eta; DGK-eta
NCBI Protein Information	diacylglycerol kinase eta
NCBI Summary for DGKH	This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family. Members of this family are involved in regulating intracellular concentrations of diacylglycerol and phosphatidic acid. Variation in this gene has been associated with bipolar disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Jul 2014]
UniProt Comments for DGKH	Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA). Plays a key role in promoting cell growth. Activates the Ras/B-Raf/C-Raf/MEK/ERK signaling pathway induced by EGF. Regulates the recruitment of RAF1 and BRAF from cytoplasm to membranes and their heterodimerization.
Research Articles on DGKH	**1.** This sstudy shown that the highest expression levels of DGKH in the human brain were found in the striatum.
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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