Datasheet for ABIN7553645

DGKH Protein (AA 1-1220) (His tag)

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Overview

Quantity:	1 mg
Target:	DGKH
Protein Characteristics:	AA 1-1220
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DGKH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DGKH Protein expressed in mammalian cells.
Sequence:	MAGAGGQHHP PGAAGGAAAG AGAAVTSAAA SAGPGEDSSD SEAEQEGPQK LIRKVSTSGQ IRTKTSIKEG QLLKQTSSFQ RWKKRYFKLR GRTLYYAKDS KSLIFDEVDL SDASVAEAST KNANNSFTII TPFRRLMLCA ENRKEMEDWI SSLKSVQTRE PYEVAQFNVE HFSGMHNWYA CSHARPTFCN VCRESLSGVT SHGLSCEVCK FKAHKRCAVR ATNNCKWTTL ASIGKDIIED EDGVAMPHQW LEGNLPVSAK CAVCDKTCGS VLRLQDWKCL WCKTMVHTAC KDLYHPICPL GQCKVSIIPP IALNSTDSDG FCRATFSFCV SPLLVFVNSK SGDNQGVKFL RRFKQLLNPA QVFDLMNGGP HLGLRLFQKF DNFRILVCGG DGSVGWVLSE IDKLNLNKQC QLGVLPLGTG NDLARVLGWG GSYDDDTQLP QILEKLERAS TKMLDRWSIM TYELKLPPKA SLLPGPPEAS EEFYMTIYED SVATHLTKIL NSDEHAVVIS SAKTLCETVK DFVAKVEKTY DKTLENAVVA DAVASKCSVL NEKLEQLLQA LHTDSQAAPV LPGLSPLIVE EDAVESSSEE SLGESKEQLG DDVTKPSSQK AVKPREIMLR ANSLKKAVRQ VIEEAGKVMD DPTVHPCEPA NQSSDYDSTE TDESKEEAKD DGAKESITVK TAPRSPDARA SYGHSQTDSV PGPAVAASKE NLPVLNTRII

Product Details

	CPGLRAGLAA SIAGSSIINK MLLANIDPFG ATPFIDPDLD SVDGYSEKCV MNNYFGIGLD AKISLEFNNK REEHPEKCRS RTKNLMWYGV LGTRELLQRS YKNLEQRVQL ECDGQYIPLP SLQGIAVLNI PSYAGGTNFW GGTKEDDIFA APSFDDKILE VVAIFDSMQM AVSRVIKLQH HRIAQCRTVK ITIFGDEGVP VQVDGEAWVQ PPGIIKIVHK NRAQMLTRDR AFESTLKSWE DKQKCDSGKP VLRTHLYIHH AIDLATEEVS QMQLCSQAAE ELITRICDAA TIHCLLEQEL AHAVNACSHA LNKANPRCPE SLTRDTATEI AINVKALYNE TESLLVGRVP LQLESPHEER VSNALHSVEV ELQKLTEIPW LYYILHPNED EEPPMDCTKR NNRSTVFRIV PKFKKEKVQK QKTSSQPVQK WGTEEVAAWL DLLNLGEYKD IFIRHDIRGA ELLHLERRDL KDLGIPKVGH VKRILQGIKE LGRSTPQSEV **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	DGKH
Alternative Name:	DGKH (DGKH Products)

Target Details

Background:	Diacylglycerol kinase eta (DAG kinase eta) (EC 2.7.1.107) (Diglyceride kinase eta) (DGK-eta),FUNCTION: Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:12810723, PubMed:23949095). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (Probable) (PubMed:12810723, PubMed:23949095). Plays a key role in promoting cell growth (PubMed:19710016). Activates the Ras/B-Raf/C-Raf/MEK/ERK signaling pathway induced by EGF (PubMed:19710016). Regulates the recruitment of RAF1 and BRAF from cytoplasm to membranes and their heterodimerization (PubMed:19710016). {ECO:0000269|PubMed:12810723, ECO:0000269|PubMed:19710016, ECO:0000269|PubMed:23949095, ECO:0000305}.
Molecular Weight:	134.9 kDa
UniProt:	Q86XP1

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months