

Datasheet for ABIN7555659
STK36 Protein (AA 1-1315) (His tag)



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Overview

Quantity:	1 mg
Target:	STK36
Protein Characteristics:	AA 1-1315
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STK36 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant STK36 Protein expressed in mammalian cells.
Sequence:	MEKYHVLEMI GEGSFGRVYK GRRKYSAQVV ALKFIPKLGR SEKELRNLQR EIEIMRGLRH PNIVHMLDSF ETDKEVVVVT DYAEGLFQI LEDDGKLPED QVQIAAQLV SALYYLHSHR ILHRDMKPQN ILLAKGGGIK LCDFGFARAM STNTMVLTSI KGTPLYMSPE LVEERPYPDHT ADLWSVGCIL YELAVGTTPF YATSIFQLVS LILKDPVRWP STISPCFKNF LQGLLTKDPR QRLSWPDLly HPFIAGHVTI ITEPAGPDLG TPFTSRLPPE LQVLKDEQAH RLAPKGNQSR ILTQAYKRMA EEAMQKKHQ N TGPALQEDK TSKVAPGTAP LPRLGATPQE SLLAGILAS ELKSSWAKSG TGEVPSAPRE NRTTPDCERA FPEERPEVLG QRSTDVVLDLE NEEPDSDNEW QHLETTEPV PIQLKAPLTL LCNPDFCQRI QSQLHEAGGQ ILKGILEGAS HILPAFRVLS SLLSSCSDSV ALYSFCREAG LPGLLLSLLR HSQESNSLQQ QSWYGTFLQD LMAVIQAYFA CTFNLERSQT SDSLQVFQEA ANLFLDLLGK LLAQPDDSEQ TLRRDSL MCF TVLCEAMDGN SRAISKAFYS SLLTTQQVWL DGLLHGLTVP QLPVHTPQGA PQVSQLREQ SEDIPGAISS ALAAICTAPV GLPDCWDAKE QVCWHLANQL TEDSSQLRPS LISGLQHPIL CLHLLKVLYS

CCLVSEGLCR LLGQEPLALE SLFMLIQGKV KVVDWEESTE VTLYFLSLLV FRLQNLPCGM
EKLGS DVATL FTHSHVVS LV SAAACLLGQL GQQGVTFDLQ PMEWM AATH ALSAPAEVRL
TPPGSCGFYD GLLILLQLL TEQGKASLIR DMSSSEMWTV LWHRFSMVL R LPEEAS AQEG
ELSLSSPPSP EPDWTLIS PQ GMAALLSLAM ATFTQEPQLC LSCLSQH GSI LMSILKHLLC
PSFLNQLRQA PHGSEFLPVV VLSVCQLLCF PFALDMDADL LIGVLADLRD SEVAHLLQV
CCYHLPLMQV ELPISLLTRL ALMDPTSLNQ FVNTVSASPR TIVSFLSVAL LSDQPLLTSD
LLSLLAHTAR VLSPSHLSFI QELLAGSDES YRPLRSLLGH PENS VRAHTY RLLGHLLQHS
MALRGALQSQ SGLLSLLLLG LGDKDPVVR C SASFAVGNA A YQAGPLGPAL AA AVPSMTQL
LGDPQAGIRR NVASALGNLG PEG LGEELLQ CEVPQR LLEM ACGDPQPNVK EAALIALRSL
QQEPGIHQVL VSLGASEKLS LLSLGNQSLP HSSPRPASAK HCRKLIHLLR PAHSM **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:	STK36
Alternative Name:	STK36 (STK36 Products)
Background:	Serine/threonine-protein kinase 36 (EC 2.7.11.1) (Fused homolog),FUNCTION: Serine/threonine protein kinase which plays an important role in the sonic hedgehog (Shh) pathway by regulating the activity of GLI transcription factors (PubMed:10806483). Controls the activity of the transcriptional regulators GLI1, GLI2 and GLI3 by opposing the effect of SUFU and promoting their nuclear localization (PubMed:10806483). GLI2 requires an additional function of STK36 to become transcriptionally active, but the enzyme does not need to possess an active kinase catalytic site for this to occur (PubMed:10806483). Required for postnatal development, possibly by regulating the homeostasis of cerebral spinal fluid or ciliary function. Essential for construction of the central pair apparatus of motile cilia. {ECO:0000269 PubMed:10806483, ECO:0000269 PubMed:28543983}.
Molecular Weight:	144.0 kDa
UniProt:	Q9NRP7

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