

Datasheet for ABIN7564025
STK36 Protein (AA 1-1316) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	STK36
Protein Characteristics:	AA 1-1316
Origin:	Mouse
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 GRKKYSAQVV ALKFIPKLGR SEKELRNLQR EIEIMRGLWH PNIVHMLDSF ETDKEVVVVT DYAEGLFQI LEDDGKLPED QVQIAAQLV SALYYLHSHR ILHRDMKPQN ILLAKGGGIK LCDFGFARAM STNTMVLTSI KGTPLYMSPE LVEERPYDHT ADLWSVGCIL YELAVGTTPF YTTSIFQLVS LILKDPVRWP STISSCFKNF LQGLLTKDPR QRLSWPDLH HPFIAGRVTI ITEPAGSDLG TPFTSRLPPE LQVLKDEQAH RLAPKGNQSR ILRQACKLMA EEAKQKEDQN AGSALEQEDG LCKVTPSTAP VPGLKATPQE SSLLAGILAS EMKNNWEDWG AGEAPRTSRE NHINLECEQG FPEPRPEAMG RQSTDVVDPE NEEPSSDDEW QRLLETSEPG PVQLKSPLTL LCNPDFCQRI QSQLRGTGEQ ILKGVLDGVS HLLPVLRI SLLSSCNSV LLYSFCQEAG LPELPLSLLR YSQESSIIQ QPWYGALLRD LVAVVQAYFS CTFNLERSQT GDSLQVFQEA ASLFLDLLGK LLAQSDDESEQ TFRDRLMCF AVLCEAVDGN SWAVSKAFYS SLLTTQRAVL DGLLHGLTVP QLPFHTPPGA PQVSQPLREQ SEDVPGAIS ALAAMCTAPV GLPSCWDAKE QVSWHLANQL TEDSSQLRPS LISGLRHHVL CLHLLKVL

CCYISERLCH ILGQEPLALE SLLMLVQGKV KVADWEESTE VALYLLSLLV FRLQDLPSGM
EKLKSEVATL FTHSHVVSLV NAAACLLGQL GQQGVTFDLQ PREWIAAAAH ALSAPAEVRL
TPPYSCGFYD GLLILLQLL MQVQGKPGLI RDVVGSEVWT ILWHRFSMAL RLPEEVSQAQ
DDLLSSPSS LEPDWTLISP QGMAALLSLA MAIFTQESQL CLSHLSQHGS VLMLTLKHL
SPSFLHHLSQ APQGPEFLPV VVLSVCKLLC FPFALDVDAD LLVGLADLR ASEVVVCLLQ
VCCHHLSLLQ AELPIGILLTR LALTDASLQ QFVNTVATSS RAIISFLSVV LLSLQPLMIS
DLSLLTHTA RILSPSHLSF IQELLSGSDE SYRPLRSLLG HSENTVRVRA YGLLGHLLQH
SMALRGALQS QSGLLNLLLL GLGDKDPAVR RSASFAVGNA AYQAGPLGPA LAAAVPSMTQ
LLGDAQDGIR RNAASALGNL GPEGLGKELL KCQVPQRLL MACGDPQPTV KEAALIALRS
LQEQESIHQV LVSLGASEKL ALLSLGNQLL PNSSNRPASV RHCRKLIQLL RPTHST **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:	<p>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. Controls the activity of the transcriptional regulators GLI1, GLI2 and GLI3 by opposing the effect of SUFU and promoting their nuclear localization. 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. 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.</p> <p>{ECO:0000269 PubMed:16055717, ECO:0000269 PubMed:18600476, ECO:0000269 PubMed:19305393}.</p>
Molecular Weight:	144.2 kDa
UniProt:	Q69ZM6

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