

Datasheet for ABIN7555605
STK24 Protein (AA 1-443) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	STK24
Protein Characteristics:	AA 1-443
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STK24 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat STK24 Protein expressed in mammalian cells.
Sequence:	<p>MDSRAQLWGL ALNKRRATLP HPGGSTNLKA DPEELFTKLE KIGKGSFGEV FKGIDNRTQK</p> <p>VVAIKIDLE EAEDIEDIQ QEITVLSQCD SPYVTKYYS YLKDTKLWII MEYLGGSAL</p> <p>DLLEPGPLDE TQIATILREI LKGLDYLHSE KKIHRDIAA NVLLSEHGEV KLADFGVAGQ</p> <p>LTDTQIKRNT FVGTPFWMAP EVIKQSAYDS KADIWSLGIT AIELARGEPP HSELHPMKVL</p> <p>FLIPKNNPPT LEGNYSKPLK EFVEACLNKE PSFRPTAKEL LKHKFILRNA KKTSYLTCLI</p> <p>DRYKRWKAEQ SHDDSSSEDS DAETDGQASG GSDSGDWIFT IREKDPKNLE NGALQPSDLD</p> <p>RNKMKDIPKR PFSQCLSTII SPLFAELKEK SQACGGNLS IEELRGAIYL AEEACPGISD</p> <p>TMVAQLVQRL QRYSLSGGGT SSH 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	STK24
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Alternative Name:	STK24 (STK24 Products)
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Background:	<p>Serine/threonine-protein kinase 24 (EC 2.7.11.1) (Mammalian STE20-like protein kinase 3) (MST-3) (STE20-like kinase MST3) [Cleaved into: Serine/threonine-protein kinase 24 36 kDa subunit (Mammalian STE20-like protein kinase 3 N-terminal) (MST3/N), Serine/threonine-protein kinase 24 12 kDa subunit (Mammalian STE20-like protein kinase 3 C-terminal) (MST3/C)],FUNCTION: Serine/threonine-protein kinase that acts on both serine and threonine residues and promotes apoptosis in response to stress stimuli and caspase activation. Mediates oxidative-stress-induced cell death by modulating phosphorylation of JNK1-JNK2 (MAPK8 and MAPK9), p38 (MAPK11, MAPK12, MAPK13 and MAPK14) during oxidative stress. Plays a role in a staurosporine-induced caspase-independent apoptotic pathway by regulating the nuclear translocation of AIFM1 and ENDOG and the DNase activity associated with ENDOG. Phosphorylates STK38L on 'Thr-442' and stimulates its kinase activity. In association with STK26 negatively regulates Golgi reorientation in polarized cell migration upon RHO activation (PubMed:27807006). Regulates also cellular migration with alteration of PTPN12 activity and PXN phosphorylation: phosphorylates PTPN12 and inhibits its activity and may regulate PXN</p>
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Target Details

	phosphorylation through PTPN12. May act as a key regulator of axon regeneration in the optic nerve and radial nerve. {ECO:0000269 PubMed:16314523, ECO:0000269 PubMed:17046825, ECO:0000269 PubMed:19604147, ECO:0000269 PubMed:19782762, ECO:0000269 PubMed:19855390, ECO:0000269 PubMed:27807006}.
Molecular Weight:	49.3 kDa
UniProt:	Q9Y6E0

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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