

Datasheet for ABIN7559051
NUAK2 Protein (AA 1-639) (His tag)



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Overview

Quantity:	1 mg
Target:	NUAK2
Protein Characteristics:	AA 1-639
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUAK2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nuak2 Protein expressed in mammalian cells.
Sequence:	<p>MESVALLQRP SQAPSASALA SESARPLADG LIKSPKPLMK KQAVKRHHHK HNLRRHRYEFL</p> <p>ETLGKGTYGK VKKARESSGR LVAIKSIRKD KIKDEQDLLH IRREIEMSS LNHPHIIAH</p> <p>EVGRSRLVTV FENSSKIVIV MEYASRGDLY DYISERPRLS ERDARHFFRQ IVSALHYCHQ</p> <p>NGIVHRDLKL ENILLDANGN IKIADFGLSN LYHKGKFLQT FCGSPLYASP EIVNGKPYVG</p> <p>PEVDSWSLGV LLYILVHGTM PFDGQDHKTL VKQISNGAYR EPPKPSDACG LIRWLLMVNP</p> <p>TRRATLEDVA SHWWVNWGYT TGVGEQEALR EGGHPSGDFG RASMADWLRR SSRPLLENGA</p> <p>KVCSFFKQHV PGGGSTVPGL ERQHSLKKSR KENDMAQNLQ GDPAEDTSSR PGKSSLKLPK</p> <p>GILKKKSSTS SGEVQEDPQE LRPVPDTPGQ PVPVAVSLLPR KGILKKSRQR ESGYYSSPEP</p> <p>SESGELLDAS DVFVSGDPVE QKSPQASGLL LHRKGILKLN GKFSRTALEG TTPSTFGSLD</p> <p>QLASSHPAAR PSRPSGAVSE DSILSSESFD QLDLPERLPE TPLRGCVSVD NLRGLEQPPS</p> <p>EGLKRWWQES LGDSCFSLTD CQEVTAAYRQ ALGICSKLS Sequence without tag. The proposed</p>

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

NUAK2

Alternative Name:

Nuak2 ([NUAK2 Products](#))

Background:

NUAK family SNF1-like kinase 2 (EC 2.7.11.1) (Omphalocele kinase 2),FUNCTION: Stress-activated kinase involved in tolerance to glucose starvation. Induces cell-cell detachment by increasing F-actin conversion to G-actin. Expression is induced by CD95 or TNF-alpha, via NF-kappa-B. Protects cells from CD95-mediated apoptosis and is required for the increased motility and invasiveness of CD95-activated tumor cells. Phosphorylates LATS1 and LATS2. Plays a key role in neural tube closure during embryonic development through LATS2 phosphorylation and regulation of the nuclear localization of YAP1 a critical downstream regulatory target in the Hippo signaling pathway. {ECO:0000250|UniProtKB:Q9H093}.

Molecular Weight:

70.7 kDa

Target Details

UniProt: [Q8BZN4](#)

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