

Datasheet for ABIN7564366
HOOK1 Protein (AA 1-728) (His tag)



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Overview

Quantity:	1 mg
Target:	HOOK1
Protein Characteristics:	AA 1-728
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HOOK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Hook1 Protein expressed in mammalian cells.
Sequence:	<p>MEDPQPLPQS ELPLCDSLII WLQTFKTASP CQDVKQLTNG VTMAQVLHQI DVAWFSESWL</p> <p>SRIKDDVGDN WRIKASNLKK VLGITSYYH EFLGQQISEE LIPDLNQITE CADPVELGRL</p> <p>LQLILGCAVN CEKKQEHKIN IMTLEESVQH VVMTAIQELM SKEIVISPAS DTVGELEQQL</p> <p>KRALEELQEA IAEKEELKQR CQELDMQVTT LQDEKNSLVS ENEMMNEKLD QLDGSFDDPN</p> <p>TMVAKKYFHV QLQLEQLQEE NYRLEAAKDD YRVHCEELEK QLIEFQHRND ELTSLAEETR</p> <p>ALKDEIDVLR ATSDKANKLE STVEVYRQKL QDLNDRKQV KSLQETNMMY MHNTVSLLEE</p> <p>LKKANAARAQ LETYKRQVQD LHTKLSSSESK RADTLAFEMK RLEEKHETLL KEKERLIEQR</p> <p>DTLKETNEEL RCSKAQQDHL NQADASATKS YENLAAEIMP VEYREVFIRL QHENKMLRLQ</p> <p>QEGTENERIE QLQEQLQKH RKMNELETEQ RLSKERIGEL QQQIEDLQKS LQEQGSKSEG</p> <p>ESSSKLKQKL EAHMEKLTEV HEELQKKQEL IEDLQPDISQ NAQKISELEA ALQKKDEDMK</p> <p>AMEERYKMYL EKARNVIKTL DPKLNPASAE IMLLRKQLAE KERRIEILES ECKVAKLRDY</p> <p>EEKLIVSAWY NKSLAFQKLK MESRLVSGAS ACKDSVAAAP ARSFLAQQRH ITNTRRNLSV</p>

Product Details

KVPAAASD **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: HOOK1

Alternative Name: Hook1 ([HOOK1 Products](#))

Background: Protein Hook homolog 1 (mHK1),FUNCTION: Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). FHF complex promotes the distribution of AP-4 complex to the perinuclear area of the cell (By similarity). Required for spermatid differentiation. Probably involved in the positioning of the microtubules of the manchette and the flagellum in relation to the membrane skeleton (PubMed:12075009). {ECO:0000250|UniProtKB:Q9UJC3, ECO:0000269|PubMed:12075009}.

Target Details

Molecular Weight:	84.4 kDa
UniProt:	Q8BIL5
Pathways:	SARS-CoV-2 Protein Interactome

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