

Datasheet for ABIN7555943
ULK3 Protein (AA 1-472) (His tag)



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Overview

Quantity:	1 mg
Target:	ULK3
Protein Characteristics:	AA 1-472
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ULK3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ULK3 Protein expressed in mammalian cells.
Sequence:	<p>MAGPGWGPPR LDGFILTERL GSGTYATVYK AYAKKDTREV VAIKCVAKKS LNKASVENLL TEIEILKGIR HPHIVQLKDF QWSDNIYLI MEFCAGGDLs RFIHTRRILP EKVARVFMQQ LASALQFLHE RNISHLDLKP QNILLSSLEK PHLKLADFGF AQHMSPWDEK HVLRGSPLYM APEMVCQRQY DARVDLWSMG VILYEALFGQ PPFASRSFSE LEEKIRSNRV IELPLRPLLS RDCRDLLQRL LERDPSRRIS FQDFFAHPWV DLEHMPSGES LGRATALVVQ AVKKDQEGDS AAALSLYCKA LDFVFPALHY EVDAQRKEAI KAKVGQYVSR AEELKAIVSS SNQALLRQGT SARDLLREMA RDKPRLLAAL EVASAAMAKE EAAGGEQDAL DLYQHSLGEL LLLAAEPPG RRRELLHTEV QNLMARAEYL KEQVKMRESR WEADTLDKEG LSESVRSSCT LQ 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

ULK3

Alternative Name:

ULK3 ([ULK3 Products](#))

Background:

Serine/threonine-protein kinase ULK3 (EC 2.7.11.1) (Unc-51-like kinase 3),FUNCTION: Serine/threonine protein kinase that acts as a regulator of Sonic hedgehog (SHH) signaling and autophagy. Acts as a negative regulator of SHH signaling in the absence of SHH ligand: interacts with SUFU, thereby inactivating the protein kinase activity and preventing phosphorylation of GLI proteins (GLI1, GLI2 and/or GLI3). Positively regulates SHH signaling in the presence of SHH: dissociates from SUFU, autophosphorylates and mediates phosphorylation of GLI2, activating it and promoting its nuclear translocation. Phosphorylates in vitro GLI2, as well as GLI1 and GLI3, although less efficiently. Also acts as a regulator of autophagy: following cellular senescence, able to induce autophagy. {ECO:0000269|PubMed:19279323, ECO:0000269|PubMed:19878745, ECO:0000269|PubMed:20643644}.

Molecular Weight:

53.4 kDa

Target Details

UniProt: [Q6PHR2](#)

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