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Datasheet for ABIN7554430

**C18orf1 Protein (AA 1-306) (His tag)**

## Overview

Quantity:	1 mg
Target:	C18orf1
Protein Characteristics:	AA 1-306
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C18orf1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat LDLRAD4 Protein expressed in mammalian cells.
Sequence:	MPEAGFQATN AFTECKFTCT SGKCLYLGLSL VCNQQNDCGD NSDEENCLLV TEHPPPGIFN SELEFAQIII IVVVVTVMVV VIVCLLNHYK VSTRSFINRP NQSRRREDGL PQEGCLWPSD SAAPRLGASE IMHAPRSRDR FTAPSFQIRD RFSRFQPTYYP YVQHEIDLPP TISLSDGEEP PPYQGPCTLQ LRDPEQQMEL NRESVRAPPN RTIFDSLID IAMYSGGPCP PSSNSGISAS TCSSNGRMEG PPPTYSEVMG HHPGASFLHH QRSNAHRGSR LQFQQNNAES TIVPIKGKDR KPGNLV <b>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.</b>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	C18orf1
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Alternative Name:	LDLRAD4 ( <a href="#">C18orf1 Products</a> )
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Background:	Low-density lipoprotein receptor class A domain-containing protein 4,FUNCTION: Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal. {ECO:0000269 PubMed:24627487}.
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Molecular Weight:	33.9 kDa
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UniProt:	<a href="#">015165</a>
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## Application Details

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Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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## Application Details

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as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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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