

Datasheet for ABIN7553594
CTIF/KIAA0427 Protein (AA 1-598) (His tag)



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Overview

Quantity:	1 mg
Target:	CTIF/KIAA0427 (CTIF)
Protein Characteristics:	AA 1-598
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTIF/KIAA0427 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CTIF Protein expressed in mammalian cells.
Sequence:	<p>MENSSAASAS SEAGSSRSQE IEELERFIDS YVLEYQVQGL LADKTEGDGE SERTQSHISQ WTADCSEPLD SSCSFSRGRA PPQQNGSKDN SLDMLGTDIW AANTFDSFSG ATWDLQPEKL DFTQFHRKVR HTPKQPLPHI DREGCGKGL EDGDGINLND IEKVLPAWQG YHPMPHEVEI AHTKKLFRRR RNDRRRQRP PGGNKPQQHG DHQPGSAKHN RDHQKSYQGG SAPHPSGRPT HHGYSQNRW HHGNMKHPPG DKGEAGHRN AKETMTIENP KLEDTAGDTG HSSLEAPRSP DTLAPVASER LPPQQSGGPE VETKRKDSIL PERIGERPKI TLLQSSKDRL RRRLKEKDEV AVETTPQQN KMDKLEILN SMRNNSDVD TKLTFMEEA QNSTNSEEML GEIVRTIYQK AVSDRSFAFT AAKLCDKMAL FMVEGTKFRS LLLNMLQKDF TVREELQQD VERWLGFITF LCEVFGTMRS STGEPFRVLV CPIYTCLREL LQSQDVKEDA VLCCSMELQS TGRLLLEQLP EMMTELLASA RDKMLCPSES MLTRSLLEEV IELHANSWNP LTPPITQYYN RTIQKLTA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression</p>

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:

CTIF/KIAA0427 (CTIF)

Alternative Name:

CTIF ([CTIF Products](#))

Background:

CBP80/20-dependent translation initiation factor,FUNCTION: Specifically required for the pioneer round of mRNA translation mediated by the cap-binding complex (CBC), that takes place during or right after mRNA export via the nuclear pore complex (NPC). Acts via its interaction with the NCBP1/CBP80 component of the CBC complex and recruits the 40S small subunit of the ribosome via eIF3. In contrast, it is not involved in steady state translation, that takes place when the CBC complex is replaced by cytoplasmic cap-binding protein eIF4E. Also required for nonsense-mediated mRNA decay (NMD), the pioneer round of mRNA translation mediated by the cap-binding complex playing a central role in nonsense-mediated mRNA decay (NMD). {ECO:0000269|PubMed:19648179}.

Molecular Weight:

67.6 kDa

Target Details

UniProt: [O43310](#)

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