

Datasheet for ABIN7548662
KBTBD7 Protein (AA 1-684) (His tag)



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Overview

Quantity:	1 mg
Target:	KBTBD7
Protein Characteristics:	AA 1-684
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KBTBD7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KBTBD7 Protein expressed in mammalian cells.
Sequence:	<p>MQSREDVPRS RRLASPRGGR RPKRISKPSV SAFFTGPEEL KDTAHSALL AQLKSFYDAR LLCDVTIEVV TPGSGPGTGR LFSCNRNVLA AACPYFKSMF TGGMYESQQA SVTMHDVDAE SFEVLVDYCY TGRVSLSEAN VQRLYAASDM LQLEYVREAC ASFLARRLDL TNCTAILKFA DAFDHHLRS QAQSYIAHNF KQLSRMGSIR EETLADTLA QLLAVLRLDS LDIESERTVC HVAVQWLEAA AKERGPSAAE VFKCVRWMHF TEEDQDYLEG LLTKPIVKKY CLDVIEGALQ MRYGDLLYKS LVPVPNSSSS SSSNSLVSA AENPPQRLGM CAKEMVIFFG HPRDPFLCYD PYSGDIYTMP SPLTSFAHTK TVTSSAVCVS PDHDIYLAAQ PRKDLWVYKP AQNSWQQLAD RLLCREGMDV AYLNQYIYL GGRDPITGVK LKEVECYSVQ RNQWALVAPV PHSFYSELI VVQNYLYAVN SKRMLCYDPS HNMWLNCSL KRSDFQEACV FNDEIYCICD IPVMMKVYNPA RGEWRRISNI PLDSETHNYQ IVNHDQKLLL ITSTTPQWKK NRVTVEYEDT REDQWINIGT MLGLLQFDSG FICLCARVYP SCLEPGQSF I TEEDDARSES STEWDLGFS ELDSESGSSS SFSDDDEVVWQ VAPQRNAQDQ QGSL Sequence without tag. The proposed Purification-Tag is</p>

Product Details

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: KBTBD7

Alternative Name: KBTBD7 ([KBTBD7 Products](#))

Background: Kelch repeat and BTB domain-containing protein 7,FUNCTION: As part of the CUL3(KBTBD6/7) E3 ubiquitin ligase complex functions as a substrate adapter for the RAC1 guanine exchange factor (GEF) TIAM1, mediating its 'Lys-48' ubiquitination and proteasomal degradation (PubMed:25684205). By controlling this ubiquitination, regulates RAC1 signal transduction and downstream biological processes including the organization of the cytoskeleton, cell migration and cell proliferation (PubMed:25684205). Ubiquitination of TIAM1 requires the membrane-associated protein GABARAP which may restrict locally the activity of the complex (PubMed:25684205). {ECO:0000269|PubMed:25684205}.

Target Details

Molecular Weight: 77.2 kDa

UniProt: [Q8WVZ9](#)

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