

Datasheet for ABIN7554257
ANKRD15 Protein (AA 1-1352) (His tag)



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Overview

Quantity:	1 mg
Target:	ANKRD15
Protein Characteristics:	AA 1-1352
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKRD15 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KANK1 Protein expressed in mammalien cells.
Sequence:	MAHTTKVNGS ASGKAGDILS GDQDKEQKDP YFVETPYGYQ LDLDFLKYVD DIQKGNTIKR LNIQRRRKPS VPCPEPRTTS GQQGIWTSTE SLSSSNSDDN KQCPNFLIAR SQVTSTPISK PPPPLETSLP FLTIPENRQL PPPSPQLPKH NLHVTKLME TRRRLEQERA TMQMTPGEFR RPRLASFGGM GTTSSLPSFV GSGNHNPAKH QLQNGYQGNG DYGSYAPAAP TTSSMGSSIR HSPLSSGIST PVTNVSPMHL QHIREQMAIA LKRLKELEEQ VRTIPVLQVK ISVLQEEKRQ LVSQKLNQRA ASQINVCVGR KRSYSAGNAS QLEQLSRARR SGGELYIDYE EEEMETVEQS TQRIKEFRQL TADMQALEQK IQDSSCEASS ELRENGECRS VAVGAEENMN DIVVYHRGSR SCKDAAVGTL VEMRNCVSV TEAMLGVMTE ADKEIELQQQ TIESLKEKIY RLEVQLRETT HDREMTKLKQ ELQAAGSRKK VDKATMAQPL VFSKVVEAVV QTRDQMVGSH MDLVDTCVGT SVETNSVGIS CQPECKNKVV GPELPMNWWI VKERVEMHDR CAGRSVEMCD KSVSVEVSV ETGSNTEESV NDLTLLKTNL NLKEVRSIGC GDCSVDTVC SPKECASRGV NTEAVSQVEA

AVMAVPRAD QDTSTDLEQV HQFTNTETAT LIESCTNTCL STLDKQTSTQ TVETRTVAVG
EGRVKDINSS TKTRSIGVGT LLSGHSFGFDR PSAVKTKESG VGQININDNY LVGLKMRTIA
CGPPQLTVGL TASRRSVGVG DDPVGESLEN PQQAPLGMM TGLDHYIERI QKLLAEQRTL
LAENYSELAE AFGEPHSQMG SLNSQLISTL SSINSVMKSA STEELRNPDF QKTSLGKITG
NYLGYTCKCG GLQSGSPLSS QTSQPEQEVG TSEGKPISSL DAFPTQEGTL SPVNLTDQI
AAGLYACTNN ESTLKSIMKK KDG NKDSNGA KKNLQFVGIN GGYETTSSDD SSSDESSSE
SDDECDVIEY PLEEEEEED EDTRGMAEGH HAVNIEGLKS ARVEDEMQVQ ECEPEKVEIR
ERYELSEKML SACNLLKNTI NDPKALTSKD MRFCLNTLQH EWFRVSSQKS AIPAMVGDYI
AAFEAISPDV LRYVINLADG NGNTALHYSV SHSNFEIVKL LLDADVCNVD HQNKAGYTP
MLAALAAVEA EKDMRIVEEL FGCGDVNAKA SQAGQTALML AVSHGRIDMV KGLLACGADV
NIQDDEGSTA LMCASEGHV EIVKLLAQP GCNGHLEDND GSTALSIALE AGHKDIAVLL
YAHVNFAKAQ SPGTPRLGRK TSPGPTHGRS FD **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.**

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: ANKRD15

Target Details

Alternative Name:	KANK1 (ANKRD15 Products)
Background:	KN motif and ankyrin repeat domain-containing protein 1 (Ankyrin repeat domain-containing protein 15) (Kidney ankyrin repeat-containing protein),FUNCTION: Involved in the control of cytoskeleton formation by regulating actin polymerization. Inhibits actin fiber formation and cell migration (PubMed:25961457). Inhibits RhoA activity, the function involves phosphorylation through PI3K/Akt signaling and may depend on the competitive interaction with 14-3-3 adapter proteins to sequester them from active complexes (PubMed:25961457). Inhibits the formation of lamellipodia but not of filopodia, the function may depend on the competitive interaction with BAIAP2 to block its association with activated RAC1 (PubMed:25961457). Inhibits fibronectin-mediated cell spreading, the function is partially mediated by BAIAP2. Inhibits neurite outgrowth. Involved in the establishment and persistence of cell polarity during directed cell movement in wound healing. In the nucleus, is involved in beta-catenin-dependent activation of transcription. Potential tumor suppressor for renal cell carcinoma. Regulates Rac signaling pathways (PubMed:25961457). {ECO:0000269 PubMed:16968744, ECO:0000269 PubMed:18458160, ECO:0000269 PubMed:19171758, ECO:0000269 PubMed:22084092, ECO:0000269 PubMed:25961457}.
Molecular Weight:	147.3 kDa
UniProt:	Q14678
Pathways:	Regulation of Actin Filament Polymerization

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.

Handling

Expiry Date: 12 months