

Datasheet for ABIN7561955
ANKRD16 Protein (AA 1-361) (His tag)



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Overview

Quantity:	1 mg
Target:	ANKRD16
Protein Characteristics:	AA 1-361
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKRD16 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ankrd16 Protein expressed in mammalian cells.
Sequence:	<p>MALPGDPRRL CRLVQEGRLR DLQEELAVAR GCRGPAGDTL LHCAARHGRQ DILAYLVEAW SMDIEATNRD YKRPLHEAAS MHRDCVRYL LGRGAVVDSL KKADWTPLMM ACTRKNLDVI QDLVEHGANP LLKNKDGWNS FHIASREGHP VILRYLLTVC PDAWKTESNI RRTPLHTAAM HGCLEAVQVL LERCHYEPDC RDNCGVTPFM DAIQCGHVS IAKLLLEQHKACSSAADSMGA QALHRAAVTG QDEAIRFLVC GLGIDVDVRA KSSQLTALHY AAKEGQTNTV QTLLSLGADI NSTDERNRSV LHLACAGQHV ACTRLLLQSG LKDS EDTGT LAQQLTRSVD ILQDFDHDVK S</p> <p>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 isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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:	ANKRD16
Alternative Name:	Ankrd16 (ANKRD16 Products)
Background:	Ankyrin repeat domain-containing protein 16,FUNCTION: Required to prevent the misactivation of serine (Ser) with tRNA(Ala) by promoting the hydrolysis of Ser-mischarged tRNA(Ala), thereby playing a role in translational fidelity (PubMed:29769718). Binds directly to the catalytic domain of AARS/AlaRS and captures Ser that is misactivated by AARS/AlaRS, preventing the charging of Ser adenylates to tRNA(Ala) and precluding Ser misincorporation in nascent peptides (PubMed:29769718). {ECO:0000269 PubMed:29769718}.
Molecular Weight:	39.8 kDa
UniProt:	A2AS55

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