

Datasheet for ABIN7562036

AKIRIN2 Protein (AA 1-201) (His tag)



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Overview

Quantity:	1 mg
Target:	AKIRIN2
Protein Characteristics:	AA 1-201
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKIRIN2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Akirin2 Protein expressed in mammalian cells.
Sequence:	<p>MACGATLKRT LDFDPLLSPA SPKRRRCAPL SAPASAAASP AAATAAAAAS AAAASPQKYL</p> <p>RMEPSPFGDV SSRLTTEQIL YNIKQEYKRM QKRRHLEASF QQADPGCTSD SQPHAFLISG</p> <p>PASPGTSSAT SSPLKKEQPL FTLRQVGMIC ERLKEREK VREEYEEILN TKLAEQYDAF</p> <p>VKFTHDQIMR RYGEQPASYV S 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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.

Product Details

- 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:	AKIRIN2
Alternative Name:	Akirin2 (AKIRIN2 Products)
Background:	<p>Akirin-2,FUNCTION: Molecular adapter that acts as a bridge between a variety of multiprotein complexes, and which is involved in embryonic development, immunity, myogenesis and brain development (PubMed:25107474, PubMed:26041538, PubMed:27871306, PubMed:30116001, PubMed:30801883). Plays a key role in nuclear protein degradation by promoting import of proteasomes into the nucleus: directly binds to fully assembled 20S proteasomes at one end and to nuclear import receptor IPO9 at the other end, bridging them together and mediating the import of pre-assembled proteasome complexes through the nuclear pore (By similarity).</p> <p>Involved in innate immunity by regulating the production of interleukin-6 (IL6) downstream of Toll-like receptor (TLR): acts by bridging the NF-kappa-B inhibitor NFKBIZ and the SWI/SNF complex, leading to promote induction of IL6 (PubMed:18066067, PubMed:25107474). Also involved in adaptive immunity by promoting B-cell activation (PubMed:26041538). Involved in brain development: required for the survival and proliferation of cerebral cortical progenitor cells (PubMed:27871306). Involved in myogenesis: required for skeletal muscle formation and skeletal development, possibly by regulating expression of muscle differentiation factors (PubMed:30801883). Also plays a role in facilitating interdigital tissue regression during limb development (PubMed:30116001). {ECO:0000250 UniProtKB:Q53H80, ECO:0000269 PubMed:18066067, ECO:0000269 PubMed:25107474,</p>

Target Details

ECO:0000269|PubMed:26041538, ECO:0000269|PubMed:27871306,
ECO:0000269|PubMed:30116001, ECO:0000269|PubMed:30801883}.

Molecular Weight: 22.1 kDa

UniProt: [B1AXD8](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

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