

Datasheet for ABIN7559299

IRAK2 Protein (AA 1-622) (His tag)



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Overview

Quantity:	1 mg
Target:	IRAK2
Protein Characteristics:	AA 1-622
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRAK2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Irak2 Protein expressed in mammalian cells.
Sequence:	<p>MACYIYQLPS WVLDLDCRNI DTLSEWDWMQ FASYVITDLT QLRKIKSMER VQGV SITREL</p> <p>LWWW SMRQAT VQQLVDLLCH LELYRAAQIV LSWKPVPEST SPLPAFPEAV KPGAVATSRR</p> <p>NLKDEQEKVR PVKPRSLLDT GPIMAGAQRQ RPEMDAPCS LKTDAPDSPQ SKYCSTSTSA</p> <p>PKQERLLGLP GDRLFWEAD VVQATEDFDQ SHRISEGTFA DIYQGQRNGV AFAFKKLREV</p> <p>AGSSPGSMDR FLQAEMQLCL RCCHANVLPL LGFCTGRQFH SLIYPYMANG SLHDRLWAQG</p> <p>NSDMLPWPQR ASICSGLLLA VEHLHSLDII HSNVKSANVL LDQHLNPKLA HPVAHPPDN</p> <p>KKTKYTMRT HLFQASAAYL PEHFIRVGQL TKQVDIFSCG IVLAEVLTGI PAMDKDRSPV</p> <p>YKDLLLSEI PNSTSSVCSR KTS MGKAVVK EICQRHVEKR AGLLPEACEE AWATAVSVCL</p> <p>RRRNASVEEA RVSLAGVEEQ LRGQLSLPWS RVSEATGSSS NTPEETDDVD NSSLSVPSLV</p> <p>MMASCPGAAS SPLFTGHGAA QPSTSGRQEA DSSSEACTGP QTPQNATETS WKIEINEAKR</p> <p>RLMENIVLYK EERLDSESELF GP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</p>

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: IRAK2

Alternative Name: Irak2 ([IRAK2 Products](#))

Background: Interleukin-1 receptor-associated kinase-like 2 (IRAK-2) (mu-IRAK-2),FUNCTION: Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization. {ECO:0000250}.

Molecular Weight: 69.0 kDa

UniProt: [Q8CFA1](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Toll-Like Receptors Cascades](#)

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