

Datasheet for ABIN7563536
IRS2 Protein (AA 1-1321) (His tag)



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Overview

Quantity:	1 mg
Target:	IRS2
Protein Characteristics:	AA 1-1321
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRS2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Irs2 Protein expressed in mammalian cells.
Sequence:	<p>MASAPLPGRP ASAGGDGPNL NNNNNNNNHs VRKCGYLKQ KHGHRFFVL RGP GTGGDEA</p> <p>SAAGGSPQP PRLEYESEK KWRSKAGAPK RVIALDCCLN INKRADAKHK YLIALYTKDE</p> <p>YFAVAANEQ EQEGWYRALT DLVSEGRSGE GSGTGTGGSC SASLPGVLGG SAGAAGCDDN</p> <p>YGLVTPATAV YREVWQVNLK PKGLGQSKNL TGVYRLCLSA RTIGFVKLNC EQPSVTLQLM</p> <p>NIRRCGHSDS FFFIEVGRSA VTGPGELWMQ ADDSVVAQNI HETILEAMKA LKELFEFRPR</p> <p>SKSQSSGSSA THPISVPGAR RHHHLVNLPP SQTGLVRRSR TDSLAATPPA AKCTSCRVRT</p> <p>ASEGDGGAAG GAGTAGGRPM SVAGSPLSPG PVRAPLSRSH TLSAGCGGRP SKVTLAPAGG</p> <p>ALQHSRSMSP PVAHSPPAAT SPGSLSSSSG HGSGSYPLPP GSHPHLPHPL HHPQGQRPSS</p> <p>GSASASGPS DPGFMSLDEY GSSPGDLRAF SSHRSNTPES IAETPPARDG SGGELYGYMS</p> <p>MDRPLSHCGR PYRRVSGDGA QDLDRGLRKR TYSLTTPARQ RQVPQPSSAS LDEYTLMRAT</p> <p>FSGSSGRLCP SFPASSPKVA YNPYPEDYGD IEIGSHKSSS SNLGADDGYM PMTPGAALRS</p>

GGPNSCKSDD YMPMSPTSVS APKQILQPR L AAALPPSGAA VPAPPSGVGR TFPVNGGGYK
ASSPAESSPE DSGYMRMWCG SKLSMENPDP KLLPNGDYL N MSPSEAGTAG TPPDFSAALR
GGSEGLKGIP GH CYSSLPRS YKAPCSCSGD NDQYVLMSSP VGRILEEERL EPQATPGAGT
FGAAGGSHTQ PHHSAVPSSM RPSAIGGRPE GFLGQRCRAV RPTRLSLEGL QTLPSMQEYP
LPTEPKSPGE YINIDFGEAG TRLSPPAPPL LASAASSSSL LSASSPASSL GSGTPGTSSD
SRQRSPLSDY MNLDFSSPKS PKPSTRSGDT VGSMDGLLSP EASSPYPLP PRPSTSPSSL
QQPLPPAPGD LYRLPPASAA TSQGPTAGSS MSSEPGDN GD YTEMAFGVAA TPPQPIVAPP
KPEGARVASP TSGLKRLSLM DQVSGVEAFL QVSQPPDHR GAKVIRADPQ GGRRRHSSSET
FSSTTTVTPV SPSFAHNSKR HNSASVENVS LRKSSEGSST LGGGDEPPTS PGQAQPLVAV
PPVPQARPWN PGQPGALIGC PGGSSSPMRR ETSVGFQNG L NYIAIDVRGE QGSLAQSQPQ
PGDKNSWSRT RSLGLLGT V GSGASGVCG GPGTGALPSA STYASIDFLS HHLKEATVVK E

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:	<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.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	IRS2
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Target Details

Alternative Name:	Irs2 (IRS2 Products)
Background:	Insulin receptor substrate 2 (IRS-2) (4PS),FUNCTION: May mediate the control of various cellular processes by insulin.
Molecular Weight:	136.8 kDa
UniProt:	P81122
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process

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