

Datasheet for ABIN7554179
IRS2 Protein (AA 1-1338) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	IRS2
Protein Characteristics:	AA 1-1338
Origin:	Human
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>MASPPRHGPP GPASGDGPNL NNNNNNNNHS VRKCGYLRKQ KHGHKRFFVL RGPAGGGDEA</p> <p>TAGGGSAPQP PRLEYEYSEK KWRKAGAPK RVIALDCCLN INKRADAKHK YLIALYTKDE</p> <p>YFAVAANEQ EQEGWYRALT DLVSEGRAAA GDAPPAAAPA ASCSASLPGA LGGSAGAAGA</p> <p>EDSYGLVAPA TAAYREVWQV NLKPKGLGQS KNLTGVYRLC LSARTIGFVK LNCEQPSVTL</p> <p>QLMNIRRCGH SDSFFFIEVG RSAVTGPGEL WMQADDSVVA QNIHETILEA MKALKELFEF</p> <p>RPRSKSQSSG SSATHPIVSP GARRHHHLVN LPPSQTGLVR RSRTDSLAAT PPAAKCSSCR</p> <p>VRTASEGDGG AAAGAAAAGA RPVSVAGSPL SPGPVVRAPLS RSHTLSGGCG GRGSKVALLP</p> <p>AGGALQHSRS MSMPVAHSPP AATSPGSLSS SSGHGSGSYP PPPGPHPLP HPLHHGPGQR</p> <p>PSSGSASASG SPSPDGFMSL DEYGSSPGDL RAFCSHRSNT PESIAETPPA RDGGGGGEFY</p> <p>GYMTMDRPLS HCGRSYRRVS GDAAQDLDRG LRKRTYSLTT PARQRPVPQP SSASLDEYTL</p> <p>MRATFSGSAG RLCPSCPASS PKVAYHPYPE DYGDIEIGSH RSSSSNLGAD DGYMPMTPGA</p>

ALAGSGSGSC RSDDYMPMSP ASVSAPKQIL QPRAAAAAAA AVPSAGPAGP APTSAAGRTF
PASGGGYKAS SPAESSPEDS GYMRMWCGSK LSMEHADGKL LPNGDYLNVS PSDAVTTGTP
PDFFSAALHP GGEPLRGVPG CCYSSLPRSY KAPYTCGGDS DQYVLMSSPV GRILEEERLE
PQATPGPSQA ASAFGAGPTQ PPHPVVPSPV RPSGGRPEGF LGQRGRAVRP TRLSLEGLPS
LPSMHEYPLP PEPKSPGEYI NIDFGEPGAR LSPPAPPLLA SAASSSSLLS ASSPASSLGS
GTPGTSSDSR QRSPLSDYMN LDFSSPKSPK PGAPSGHPVG SLDGLLSPEA SSPYPPLPPR
PSASPSSSLQ PPPPPPAPGE LYRLPPASAV ATAQGPGAAS SLSSDTGDNG DYTEMAFGVA
ATPPQPIAAP PKPEAARVAS PTSGVKRLSL MEQVSGVEAF LQASQPPDPH RGAKVIRADP
QGRRRRHSSE TFSSTTTVTP VSPSFAHNPK RHNSASVENV SLRKSSEGGV GVGPGGGDEP
PTSPRQLQPA PPLAPQGRPW TPGQPGLVG CPGSGGSPMR RETSAGFQNG LNYIAIDVRE
EPGLPPQPQP PPPPLPQPGD KSSWGRTRSL GGLISAVGVG STGGGCGGPG PGALPPANTY
ASIDFLSHHL KEATIVKE **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),FUNCTION: May mediate the control of various cellular processes by insulin.
Molecular Weight:	137.3 kDa
UniProt:	Q9Y4H2
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