Datasheet for ABIN7554177

IREB2 Protein (AA 1-963) (His tag)

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Overview

Quantity:	1 mg
Target:	IREB2
Protein Characteristics:	AA 1-963
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IREB2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat IREB2 Protein expressed in mammalien cells.
Sequence:	MDAPKAGYAF EYLIETLNDS SHKKFFDVSK LGTKYDVLPY SIRVLLEAAV RNCDGFLMKK EDVMNILDWK TKQSNVEVPF FPARVLLQDF TGIPAMVDFA AMREAVKTLG GDPEKVHPAC PTDLTVDHSL QIDFSKCAIQ NAPNPGGGDL QKAGKLSPLK VQPKKLPCRG QTTCRGSCDS GELGRNSGTF SSQIENTPIL CPFHLQPVPE PETVLKNQEV EFGRNRERLQ FFKWSSRVFK NVAVIPPGTG MAHQINLEYL SRVVFEEKDL LFPDSVVGTD SHITMVNGLG ILGWGVGGIE TEAVMLGLPV SLTLPEVVGC ELTGSSNPFV TSIDVVLGIT KHLRQVGVAG KFVEFFGSGV SQLSIVDRTT IANMCPEYGA ILSFFPVDNV TLKHLEHTGF SKAKLESMET YLKAVKLFRN DQNSSGEPEY SQVIQINLNS IVPSVSGPKR PQDRVAVTDM KSDFQACLNE KVGFKGFQIA AEKQKDIVSI HYEGSEYKLS HGSVVIAAVI SCTNNCNPSV MLAAGLLAKK AVEAGLRVKP YIRTSLSPGS GMVTHYLSSS GVLPYLSKLG FEIVGYGCSI CVGNTAPLSD AVLNAVKQGD LVTCGILSGN KNFEGRLCDC VRANYLASPP LVVAYAIAGT VNIDFQTEPL GTDPTGKNIY

Product Details

	LHDIWPSREE VHRVEEEHVI LSMFKALKDK IEMGNKRWNS LEAPDSVLFP WDLKSTYIRC PSFFDKLTKE PIALQAIENA HVLLYLGDSV TTDHISPAGS IARNSAAAKY LTNRGLTPRE FNSYGARRGN DAVMTRGTFA NIKLFNKFIG KPAPKTIHFP SGQTLDVFEA AELYQKEGIP LIILAGKKYG SGNSRDWAAK GPYLLGVKAV LAESYEKIHK DHLIGIGIAP LQFLPGENAD SLGLSGRETF SLTFPEELSP GITLNIQTST GKVFSVIASF EDDVEITLYK HGGLLNFVAR KFS **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:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	IREB2
Alternative Name:	IREB2 (IREB2 Products)
Background:	Iron-responsive element-binding protein 2 (IRE-BP 2) (Iron regulatory protein 2) (IRP2),FUNCTION: RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3'-UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin

Target Details

	receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA. {ECO:0000269|PubMed:7983023}.
Molecular Weight:	105.1 kDa
UniProt:	P48200
Pathways:	Transition Metal Ion Homeostasis

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

