

Datasheet for ABIN7554201
IQSEC1 Protein (AA 1-963) (His tag)



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Overview

Quantity:	1 mg
Target:	IQSEC1
Protein Characteristics:	AA 1-963
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IQSEC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant IQSEC1 Protein expressed in mammalian cells.
Sequence:	MWCLHCNSER TQSLLELELD SGVEGEAPSS ETGTSLDSPA AYPQGPLVPG SSLSPDHYEH TSVGAYGLYS GPPGQQQRTR RPKLQHSTSI LKQAEAAEI KRSRSLSESY ELSSDLQDKQ VEMLERKYGG RLVTRHAART IQTAFRQYQM NKNFERLRSS MSENRRSRI VLSNMRMQFS FEGPEKVHSS YFEGKQVSVT NDGSQLGALV SPECGDLSEP TTLKSPAPSS DFADAITELE DAFSRQVKSL AESIDDALNC RSLHTEEAPA LDAARARDTE PQTALHGMDH RKLDEMTASY SDVTLYIDEE ELSPPLPLSQ AGDRPSSTES DLRLRAGGAA PDYWALAHKE DKADTDTSCR STPSLERQEQ RLRVEHLPLL TIEPPSDSSV DLSDRSERGS LKRQSAYERS LGGQQGSPKH GPHSGAPKSL PREEPELRPR PPRPLDHLA INGSANRQSK SESDYSDDGN DSINSTSNSN DTINCSESS SRDSLREQTL SKQTYHKEAR NSWDSPAFSN DVIRKRHYRI GLNLFNKKPE KGVQYLIERG FVPDTPVGA HFLLQRKGLS RQMIGEFLGN RQKQFNRDVL DCVVDEMDFS TMELDEALRK FQAHIRVQGE AQKVERLIEA FSQRYCICNP GVVRQFRNPD TIFILAFI LLNTDMYSPN VKPERKMKLE DFIKNLRGVD DGEDIPREML MGIYERIRKR ELKTNEDHVS

Product Details

QVQKVEKLIV GKKPIGSLHP GLGCVLSLPH RRLVCYCRLF EVPDPNKPQK LGLHQREIFL
FNDLLVVTKI FQKKKNSVTY SFRQSFSLYG MQVLLFENQY YPNGIRLTSS VPGADIKVLI
NFNAPNPQDR KKFTDDLRES IAEVQEMEKH RIESELEKQK GVVRPSMSQC SSLKKESGNG
TLSRACLDDS YASGEGLKRS ALSSSLRDLS EAGKRGRRSS AGSLESNVEF QPFEPLQPSV LCS

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.

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: IQSEC1

Alternative Name: IQSEC1 ([IQSEC1 Products](#))

Background: IQ motif and SEC7 domain-containing protein 1 (ADP-ribosylation factors guanine nucleotide-exchange protein 100) (ADP-ribosylation factors guanine nucleotide-exchange protein 2) (Brefeldin-resistant Arf-GEF 2 protein) (BRAG2),FUNCTION: Guanine nucleotide exchange factor for ARF1 and ARF6 (PubMed:24058294, PubMed:11226253). Guanine nucleotide exchange

Target Details

factor activity is enhanced by lipid binding (PubMed:24058294). Accelerates GTP binding by ARFs of all three classes. Guanine nucleotide exchange protein for ARF6, mediating internalization of beta-1 integrin (PubMed:16461286). Involved in neuronal development (Probable). In neurons, plays a role in the control of vesicle formation by endocytoc cargo. Upon long term depression, interacts with GRIA2 and mediates the activation of ARF6 to internalize synaptic AMPAR receptors (By similarity). {ECO:0000250|UniProtKB:A0A0G2JUG7, ECO:0000269|PubMed:11226253, ECO:0000269|PubMed:16461286, ECO:0000269|PubMed:24058294, ECO:0000305|PubMed:31607425}.

Molecular Weight: 108.3 kDa

UniProt: [Q6DN90](#)

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