

Datasheet for ABIN7560039
ITFG2 Protein (AA 1-443) (His tag)



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Overview

Quantity:	1 mg
Target:	ITFG2
Protein Characteristics:	AA 1-443
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITFG2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Itfg2 Protein expressed in mammalian cells.
Sequence:	MRSVSYVQRV ALDFSGSLFP HAICLGVDVN DALNELVVGD TSGKLSVYKN DDSRPWLTCM CQGMLTCVGV GDVCNKGKNL VVAWSAEGWL HFLDLTPTKA LDASGHHETL GEEQRPVFKQ HIPANTKVML ISDIDGDGCY ELVVGYTDRV VRAFRWEELA EGPEHLAQL VSLKKWMLEG QVDSL SVTPG PLGVPELVVS QPGCAYAVLL CTWNKDTGSP PASEEATGDS RETPAARDVV LHQTSGRIHN KNVSTHLIGN IRQGHNPEGG NAGLFALCTL DGTLKLMQEA DKLLWSVQVD HQLFALEKLD VTGNGLIEEV ACAWDGQTYI IDHNRTVVRF QVDENIR AFC AGQYACKEGR NSPCLVYVTF NQKIYVYWEV QLERMESTNL LKLLAEPEY HRLLQELRVD PEDLPAVCTL LHQTLYHPDQ PLQCTPSSFQ DPT 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.

Product Details

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:

ITFG2

Alternative Name:

Iitfg2 ([ITFG2 Products](#))

Background:

KICSTOR complex protein ITFG2 (Integrin-alpha FG-GAP repeat-containing protein 2),FUNCTION: As part of the KICSTOR complex functions in the amino acid-sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose. {ECO:0000250|UniProtKB:Q969R8}.

Molecular Weight:

49.0 kDa

UniProt:

[Q91WI7](#)

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
