

Datasheet for ABIN7564978
RUFY3 Protein (AA 1-469) (His tag)



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Overview

Quantity:	1 mg
Target:	RUFY3
Protein Characteristics:	AA 1-469
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RUFY3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rufy3 Protein expressed in mammalien cells.
Sequence:	<p>MSALTPPTDM PTPTTDKITQ AAMETIYLCK FRVSMDGEWL CLREDDISL TPDPEPTHEP PNYLMANERM NLNMMAKLSI KGLIESALNL GRTLDSYAP LQFFVVM EH CLKHGLKAKK TFLGQNKSFV GPLELVEKLV PEAAEITASV KDLPLGLKTPV GRGAWRLRLA LMQKKLSEYM KALINKKELL SEFYEVNALM MEEEGAIAG LLVGLNVIDA NFCMKGEDLD SQVGVIDFSM YLKDGNSKSG SEGDGQITAI LDQKNYVEEL NRHLNATVNN LQTKVDLLEK SNTKLTEELA VANNRIITLQ EEMERVKEES SYLLESNRKG PKQDRTAEGQ ALSEARKHLK EETQLRLDVE KELELQISMR QEMELAMKML EKDVCEKQDA LVSLRQQLDD LRALKHELAF KLQSSDLGVK QKSELNSRLE EKTNQMAATI KQLEQSEKDL VKQAKTLNSA ANKLIPKHH Sequence without tag.</p> <p>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.</p>

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, Western Blot

Grade:

custom-made

Target Details

Target:

RUFY3

Alternative Name:

Rufy3 ([RUFY3 Products](#))

Background:

Protein RUFY3 (Rap2-interacting protein x) (RIPx) (Single axon-regulated protein 1) (Singer1),FUNCTION: Plays a role in the generation of neuronal polarity formation and axon growth (PubMed:24720729). Implicated in the formation of a single axon by developing neurons (PubMed:24720729). May inhibit the formation of additional axons by inhibition of PI3K in minor neuronal processes (By similarity). Plays a role in the formation of F-actin-enriched protrusive structures at the cell periphery (By similarity). Plays a role in cytoskeletal organization by regulating the subcellular localization of FSCN1 and DBN1 at axonal growth cones (PubMed:24720729). Promotes gastric cancer cell migration and invasion in a PAK1-dependent manner (By similarity). {ECO:0000250|UniProtKB:Q5FVJ0, ECO:0000250|UniProtKB:Q7L099, ECO:0000269|PubMed:24720729}.

Molecular Weight:

53.0 kDa

UniProt:

[Q9D394](#)

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.
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Restrictions:	For Research Use only
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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