

Datasheet for ABIN7551673
RUFY4 Protein (AA 1-571) (His tag)



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Overview

Quantity:	1 mg
Target:	RUFY4
Protein Characteristics:	AA 1-571
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RUFY4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RUFY4 Protein expressed in mammalian cells.
Sequence:	<p>MAEEGAILKV TKDLRAAVSA ILQGYGDGQG PVTDTSAELH RLCGCLELLL QFDQKEQKSF LGPRKDYWDF LCTALRRQRG NMEPIHFVRS QDKLKTPLGK GRAFIRFCLA RGQLAEALQL CLLNSELTRE WYGPRSPLLC PERQEDILDS LYALNGVAFE LDLQQPDLDG AWPMSFESRC SSSTQTQGRR PRKNKDAPKK IPAAAYGGPEN VQIEDSHTSQ AICLQDAPSG QQLAGLPRSQ QQRHLPFFLE KKGESSRKHR YPQSMWEPEG KELQLDQEER APWIEIFLGN STPSTQGQGK GAMGTQKEVI GMEAEVTGVL LVAEGQRTTE GTHKKEAWS HVQRLLMPSP RGAVEGAVSG SRQSGSGSSI LGEPWVLQGH ATKEDSTVEN PQVQTEVTLV ARREEQAEVS LQDEIKSLRL GLRKAAEQAQ RQEQLLREQE GELQALREQL SRCQEERAEL QAQLEQKQQE AERRDAMYQE ELGGQRDLVQ AMKRRVLELI QEKDRLWQRL QHLSSMAPEC CVACSKIFGR FSRRYPCRLC GLLCHACSM DYKKRDRCCP PCAQGREAQV T Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	RUFY4
Alternative Name:	RUFY4 (RUFY4 Products)
Background:	<p>RUN and FYVE domain-containing protein 4,FUNCTION: Positively regulates macroautophagy in primary dendritic cells. Increases autophagic flux, probably by stimulating both autophagosome formation and facilitating tethering with lysosomes. Binds to phosphatidylinositol 3-phosphate (PtdIns3P) through its FYVE-type zinc finger. {ECO:0000269 PubMed:26416964}.</p>
Molecular Weight:	64.4 kDa
UniProt:	Q6ZNE9

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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