

Datasheet for ABIN7557107
RUFY4 Protein (AA 1-563) (His tag)



[Go to Product page](#)

Overview

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| Quantity: | 1 mg |
| Target: | RUFY4 |
| Protein Characteristics: | AA 1-563 |
| Origin: | Mouse |
| 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

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| Purpose: | Custom-made recombinat Rufy4 Protein expressed in mammalien cells. |
| Sequence: | <p>MANNGTILKI SRSLKNAVSA ILQGYGDGQE PVTETSSELH RLCGCLELLL QFDQKEQRSF</p> <p>LGARKDYWDF LFTALRRHRG YTEQMSFICS QDKLKTSLGK GRAFIRLCLA RGQLAESMQL</p> <p>CLLNQPLTRE WYGPRSPLLC AELQEDILDS LYALNGVAFN LDLQRPDLDE AWPMFSESRC</p> <p>SSPSRTGKRR PGKPKGFPEE VRCSRGEQLQ EPDTGGTSCL QDATREDRTP DLCKPLQPSH</p> <p>LPTFLEEKRE DSRSLSCPQS TWETEREGFQ LDQKDGGPKP RKFLENSTAS IQQQRSAKD</p> <p>VKMQLTGRKV EGKGSLSGTE DQRTTEGIQK RAADWDLGQG LMAPGLQGRE DAELGYRCEW</p> <p>NQPDVLRQSW VLGTKKSPT EKPQEWTVGT SGTMQEDGSE VPLQQEVIKD PGYGLQLAKE</p> <p>QAQCQEQLRA QEAELQALQE QLSRCQKERA LLQVKLEQKQ QEAERRDAMY QTELEGQRDL</p> <p>VQAMKRRVLE LIHEKDLQWQ RLQQLSTVAP GHCIGCNKVF RRLSRRYPCR LCGGLVCHAC</p> <p>SVDYKKRERC CPTCAQQEEI QDT Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</p> |

Product Details

could make another tag necessary. In case you have a special request, please contact us.

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

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| Target: | RUFY4 |
| Alternative Name: | Rufy4 (RUFY4 Products) |
| Background: | 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:0000250 UniProtKB:Q6ZNE9}. |
| Molecular Weight: | 64.0 kDa |
| UniProt: | Q3TYX8 |

Application Details

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| 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 |
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Application Details

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| | guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| 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 |