

Datasheet for ABIN7551414
RHOU Protein (AA 1-258) (His tag)



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Overview

Quantity:	1 mg
Target:	RHOU
Protein Characteristics:	AA 1-258
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RHOU protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RHOU Protein expressed in mammalian cells.
Sequence:	MPPQQGDPAF PDRCEAPPVP PRRERGGRRG RGPGEPPGGRG RAGGAEGRGV KCVLVGDGAV GKTSLVVSYT TNGYPTEYIP TAFDNFSAVV SVDGRPVRLQ LCDTAGQDEF DKLRPLCYTN TDIFLLCFSV VSPSSFQNVS EKWWPEIRCH CPKAPIILVG TQSDLREDVK VLIELDKCKE KPVPEEAAKL CAEEIKAASY IECSALTQKN LKEVFDAIV AGIQYSDTQQ QPKKSKSRTP DKMKNLSKSW WKKYCCFV 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	RHOU
Alternative Name:	RHOU (RHOU Products)
Background:	Rho-related GTP-binding protein RhoU (CDC42-like GTPase 1) (GTP-binding protein-like 1) (Rho GTPase-like protein ARHU) (Ryu GTPase) (Wnt-1 responsive Cdc42 homolog 1) (WRCH-1),FUNCTION: Acts upstream of PAK1 to regulate the actin cytoskeleton, adhesion turnover and increase cell migration. Stimulates quiescent cells to reenter the cell cycle. Has no detectable GTPase activity but its high intrinsic guanine nucleotide exchange activity suggests it is constitutively GTP-bound. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape. {ECO:0000269 PubMed:11459829, ECO:0000269 PubMed:16472646, ECO:0000269 PubMed:17620058, ECO:0000269 PubMed:18086875, ECO:0000269 PubMed:21834987}.
Molecular Weight:	28.2 kDa
UniProt:	Q7L0Q8

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
