

Datasheet for ABIN7549424

## RANGRF Protein (AA 1-186) (His tag)



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### Overview

Quantity:	1 mg
Target:	RANGRF
Protein Characteristics:	AA 1-186
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RANGRF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat RANGRF Protein expressed in mammalian cells.
Sequence:	<p>MEPTRDCPLF GGAFSAILPM GAIDVSDLRP VPDNQEVFCH PVTQSLIVE LLELQAHVRG            EAAARYHFED VGGVQGARAV HVESVQPLSL ENLALRGRCQ EAWVLSGKQQ IAKENQQVAK            DVTLHQALLR LPQYQTDLLL TFNQPPPDNR SSLGPENLSP APWSLGDFFQ LVTSLTLHDP            NIFGPQ <b>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.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li> </ul>

## Product Details

- 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: RANGRF

Alternative Name: RANGRF ([RANGRF Products](#))

Background: Ran guanine nucleotide release factor (RanGNRF) (Ran-binding protein MOG1),FUNCTION: May regulate the intracellular trafficking of RAN (PubMed:11290418). Promotes guanine nucleotide release from RAN and inhibits binding of new GTP by preventing the binding of the RAN guanine nucleotide exchange factor RCC1 (PubMed:29040603). Regulates the levels of GTP-bound RAN in the nucleus, and thereby plays a role in the regulation of RAN-dependent mitotic spindle dynamics (PubMed:29040603). Enhances the expression of SCN5A at the cell membrane in cardiomyocytes (PubMed:18184654, PubMed:23420830, PubMed:21621375). {ECO:0000269|PubMed:11290418, ECO:0000269|PubMed:18184654, ECO:0000269|PubMed:21621375, ECO:0000269|PubMed:23420830, ECO:0000269|PubMed:29040603}.

Molecular Weight: 20.4 kDa

UniProt: [Q9HD47](#)

## 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

Application Details

	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