

Product datasheet

Recombinant Human RHEB protein (BSA and azide free) ab173075

Description

Product name	Recombinant Human RHEB protein (BSA and azide free)	
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	Q15382	
Protein length	Full length protein	
Animal free	No	
Carrier free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	MPQSKSRKIALGYRSVGKSSLTIQFVEGQFVDSYDPTIENT FTKLITVN GQEYHLQLVDTAGQDEYSIFPQTYSIDINGYILVYSVTSIKSF EVIKVIH GKLLDMVGKVQIPIMLVGNKKDLHMERSVYEEGKALAES WNAAFLESSA KENQTAVDVFRRILEAEKMDGAASQGKSSCSVM	
Predicted molecular weight	20 kDa	
Amino acids	1 to 184	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab173075** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

HPLC

Form Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.24% Tris, 0.31% Glutathione
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General Info

Function	Stimulates the phosphorylation of S6K1 and EIF4EBP1 through activation of mTORC1 signaling. Activates the protein kinase activity of mTORC1. Has low intrinsic GTPase activity.
Tissue specificity	Ubiquitous. Highest levels observed in skeletal and cardiac muscle.
Sequence similarities	Belongs to the small GTPase superfamily. Rheb family.
Post-translational modifications	Farnesylation is important for efficiently activating mTORC1-mediated signaling.
Cellular localization	Cell membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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