

RheB recombinant protein

RheB, 1-181aa, Human, T7-tag, E Coli

CATALOG # AAA48500	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

RheB; 1-181aa; Human; T7-tag; E Coli; Ras homolog enriched in brain; RHEB2; GTP-binding protein Rheb; Ras homolog enriched in brain GTP binding protein Rheb; MGC111559; Ras homolog enriched in brain 2; RHEB 2.; RheB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris pH 8.0, 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MASMTGGQQM GRGSASMPQS KSRKIALGY RSVGKSSLTQ QFVEGQFVDS YDPTIENTFT KLITVNGQEY HLQLVDTAGQ DEYSIFPQTY SIDINGYILV YSVTSIKSFE VIKVIHGKLL DMVGKVQIPI MLVGNKKDLH MERVISYEEG KALAESWNAA FLESSAKENQ TAVDVFRRII LEAEKMDGAA SQGKSSC
Sequence Length	184
Applicable Applications for RheB recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	T7 tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for RheB recombinant protein	Ras homolog enriched in brain (RheB) is a member of the Ras superfamily that was originally identified as an immediate-early gene in brain but is also widely expressed in other tissues. RheB encodes a lipid-anchored, cell membrane protein with five repeats of the RAS-related GTP-binding region. RheB is vital in regulation of growth and cell cycle progression due to its role in the insulin/TOR/S6K signaling pathway. Recombinant human RheB protein, fused to T7-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RheB recombinant protein	Cell Cycle
References	Yamagata K., et al. (1994) J Biol Chem. 269 (23) 16333-9.; Tabancay AP Jr., et al. (2003). J Biol Chem. 278 (41):39921-30.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032041
NCBI GeneID	6009
NCBI Accession #	NP_005605

NCBI GenBank Nucleotide #	NM_005614.3
UniProt Accession #	Q15382 ; Q53Y56 ; Q99444 ; B3KWN6 ; D3DX13
Molecular Weight	21.7 kDa (197 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	GTP-binding protein Rheb
NCBI Official Synonym Full Names	Ras homolog, mTORC1 binding
NCBI Official Symbol	RHEB
NCBI Official Synonym Symbols	RHEB2
NCBI Protein Information	GTP-binding protein Rheb
UniProt Protein Name	GTP-binding protein Rheb
UniProt Gene Name	RHEB
UniProt Synonym Gene Names	RHEB2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rheb-recombinant-protein-e-coli-sds-page/48500>