

Datasheet for ABIN7197635 **RHEB Protein (His tag)**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	RHEB
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RHEB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human RHEB Protein (His Tag)
Sequence:	Met 1-Cys181
Characteristics:	A DNA sequence encoding the human RHEB (Q15382)(Met1-Cys181) was fused with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	RHEB
Alternative Name:	RHEB (RHEB Products)
Background:	Background: RHEB is a recently discovered member of the Ras superfamily that may be involved in neural plasticity. This function is novel and not typically associated with the Ras proteins. RHEB gene is a member of the small GTPase superfamily and encodes a lipid-

Target Details

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. The protein has GTPase activity and shuttles between a GDP-bound form and a GTP-bound form, and farnesylation of RHEB is required for this activity. Three pseudogenes have been mapped, two on chromosome 10 and one on chromosome 22.
Synonym: GTP-Binding Protein Rheb, Ras Homolog Enriched in Brain, RHEB, RHEB2

Molecular Weight: 22.4 kDa

UniProt: [Q15382](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.