

Recombinant Human RHEB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RHEB-5588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RHEB MS Standard C13 and N15-labeled recombinant protein (NP_005605) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the small GTPase superfamily and encodes a lipid-anchored, cell membrane protein with five repeats of the RAS-related GTP-binding region. This protein 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 the protein is required for this activity. Three pseudogenes have been mapped, two on chromosome 10 and one on chromosome 22.
Molecular Mass	20.3 kDa
AA Sequence	MPQSKSRKIAILGYRSVGKSSLTIQFVEGQFVDSYDPTIENTFTKLITVNGQEYHLQLV DTAGQDEYSIFPQTYSIDINGYILVYSVTSIKSFEVIKVIHGKLLDMVGKVQIPIMLVGN KKDLHMERVISYEEGKALAESWNAAFLESSAKENQTAVDVFRRRIIEAEKMDGAASQ GKSSCSVMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

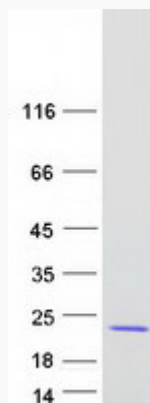
GENE INFORMATION

Gene Name	RHEB Ras homolog enriched in brain [Homo sapiens (human)]
Official Symbol	RHEB
Synonyms	RHEB; Ras homolog enriched in brain; Ras homolog enriched in brain 2, RHEB2; GTP-binding protein Rheb; Ras homolog enriched in brain 2; RHEB2; MGC111559;
Gene ID	6009
mRNA Refseq	NM_005614
Protein Refseq	NP_005605
MIM	601293
UniProt ID	Q15382

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SDS-PAGE

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