

Recombinant Human RHOBTB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RHOBTB1-6136H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RHOBTB1 MS Standard C13 and N15-labeled recombinant protein (NP_055651) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the Rho family of the small GTPase superfamily. It contains a GTPase domain, a proline-rich region, a tandem of 2 BTB (broad complex, tramtrack, and bric-a-brac) domains, and a conserved C-terminal region. The protein plays a role in small GTPase-mediated signal transduction and the organization of the actin filament system. Alternate splicing results in multiple transcript variants.
Molecular Mass	79.4 kDa
AA Sequence	MDADM DYERP NVETIKCVVGDNAV GKTR LICARACNTTLTQYQLLATHVPTVWAID QYRVCQEVLERSRDVVDESVSLRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANP NSLNHVKSMWYPEIKHFCPRTPVILVGCQLDLRYADLEAVNRARRPLARPIKRGDILP PEKGREVAKEGLPYYETSVFDQFGIKDVF DN A IR AALISRRHLQFWKSHLKKVQKP LLQAPFLPPKAPPPVIKIECP SMGTNEAACLLDNPLCADVLFILQDQE HIFAHRIY LAT SSSKFYDLFLMECEESPNGSEGACEKEKQSRDFQGRILSVDPEEERE EGPPRIPQA DQWKSSNKSLVEALGLEAEGAVPETQTLTGWSKGFIGHREM QVNPISKRMGPMT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VVRMDASVQPGPFRTLLQFLYTGQLDEKEKDLVGLAQIAEVLEMFDLRMMVENIMN
KEAFMNQEITKAFHVRKANRIKECLSKGTFSDVTFKLDDGAISAHKPLLICSCEWMAA
MFGGSFVESANSEVYLPNINKISMQAVLDYLYTKQLSPNLDLDPLELIALANRFCLPH
LVALAEQHAVQELTKAATSGVGIDGEVLSYLELAQFHNAHQLAAWCLHHICTNYNSV
CSKFRKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQVRKREKEDIALNKHRSR
RKWCFWNSSPAVATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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 RHOBTB1 Rho-related BTB domain containing 1 [Homo sapiens (human)]

Official Symbol RHOBTB1

Synonyms RHOBTB1; Rho-related BTB domain containing 1; rho-related BTB domain-containing protein 1; KIAA0740; MGC33059; MGC33841;

Gene ID 9886

mRNA Refseq NM_014836

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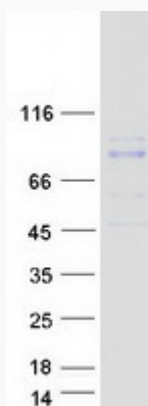
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Protein Refseq NP_055651

MIM 607351

UniProt ID O94844

SDS-PAGE



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