

Product datasheet for PH309837

OriGene Technologies, Inc.

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RHOB (NM_004040) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: RHOB MS Standard C13 and N15-labeled recombinant protein (NP_004031)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC209837

or AA Sequence: Predicted MW:

22.1 kDa

Protein Sequence: >RC209837 protein sequence

Red=Cloning site Green=Tags(s)

MAAIRKKLVVVGDGACGKTCLLIVFSKDEFPEVYVPTVFENYVADIEVDGKQVELALWDTAGQEDYDRLR PLSYPDTDVILMCFSVDSPDSLENIPEKWVPEVKHFCPNVPIILVANKKDLRSDEHVRTELARMKQEPVR

TDDGRAMAVRIQAYDYLECSAKTKEGVREVFETATRAALQKRYGSQNGCINCCKVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

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

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 004031

RefSeq Size: 2384
RefSeq ORF: 588

Synonyms: ARH6; ARHB; MST081; MSTP081; RHOH6

Locus ID: 388 **UniProt ID:** P62745





Cytogenetics:

2p24.1

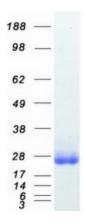
Summary:

Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images:



Coomassie blue staining of purified RHOB protein (Cat# [TP309837]). The protein was produced from HEK293T cells transfected with RHOB cDNA clone (Cat# [RC209837]) using MegaTran 2.0 (Cat# [TT210002]).