

Product datasheet for PH308751

RHOC (NM_001042678) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RHOC MS Standard C13 and N15-labeled recombinant protein (NP_001036143)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208751
Predicted MW:	22 kDa
Protein Sequence:	>RC208751 protein sequence Red=Cloning site Green=Tags(s) MAAIRKKLVIVGDGACGKTCLLIVFSKQDFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLR PLSYPD TDVILMCF SIDSPD SLENIPEKWTPEVKHF CPNVPIILVGNKKDLRQDEHTRRELAKMKQEPVR SEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQVRKNKRRRGCPIL 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001036143
RefSeq Size:	1346
RefSeq ORF:	579
Synonyms:	ARH9; ARHC; H9; RHOH9
Locus ID:	389
UniProt ID:	P08134 , A0A024R0C8



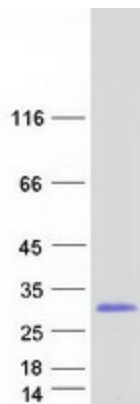
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Cytogenetics: 1p13.2

Summary: This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RHOC protein (Cat# [TP308751]). The protein was produced from HEK293T cells transfected with RHOC cDNA clone (Cat# [RC208751]) using MegaTran 2.0 (Cat# [TT210002]).