

PRODUCT INFORMATION

RhoC **Target**

Synonyms ARH9; ARHC; H9; RHOH9

Recombinant Human RHOC(1-189) Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P08134 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

Background

RHOC(Met1-Gly189) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

47.7 kDa after removal of the signal peptide. The apparent molecular mass of RHOC(1-189)-hFc is approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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.

> Email: info@dimabio.com Website: www.dimabio.com

[provided by RefSeq, Jul 2008]

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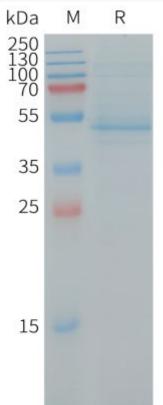


Figure 1.Human RHOC(1-189) Protein, hFc Tag on SDS-PAGE under reducing condition.

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