

Product datasheet for AR09789PU-L

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RhoA (1-190, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: RhoA (1-190, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAA IRKKLVIVGD GACGKTCLLI

VFSKDQFPEV YVPTVFENYV ADIEVDGKQV ELALWDTAGQ EDYDRLRPLS YPDTDVILMC FSIDSPDSLE NIPEKWTPEV KHFCPNVPII LVGNKKDLRN DEHTRRELAK MKQEPVKPEE

GRDMANRIGA FGYMECSAKT KDGVREVFEM ATRAALQARR GKKKSGC

Tag: His-tag

Predicted MW: 25.7 kDa

Concentration: lot specific

Purity: >90%

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human RhoA protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeg: NP 001300870

Locus ID: 387

UniProt ID: <u>P61586</u>, <u>A0A024R324</u>

Cytogenetics: 3p21.31

Synonyms: ARH12; ARHA; EDFAOB; RHO12; RHOH12





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. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants have been

identified. [provided by RefSeq, Sep 2015]

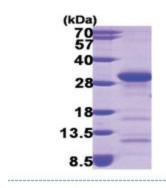
Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Axon guidance, Chemokine signaling pathway, Focal adhesion, Leukocyte

transendothelial migration, Neurotrophin signaling pathway, Pathogenic Escherichia coli infection, Pathways in cancer, Regulation of actin cytoskeleton, T cell receptor signaling pathway, TGF-beta signaling pathway, Tight junction, Vascular smooth muscle contraction,

Wnt signaling pathway

Product images:



15% SDS-PAGE (3ug)