

Recombinant Human RHOD, His-tagged

Cat. No. RHOD-30391TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human RHOD with an N terminal His tag; 211 amino acids with the tag, predicted mwt: 23.8 kDa.
Species	Human
Source	E.coli
ProteinLength	190 amino acids
Description	Ras homolog, or Rho, proteins interact with protein kinases and may serve as targets for activated GTPase. They play a critical role in muscle differentiation. The protein encoded by this gene binds GTP and is a member of the small GTPase superfamily. It is involved in endosome dynamics and reorganization of the actin cytoskeleton, and it may coordinate membrane transport with the function of the cytoskeleton.
Conjugation	HIS
Molecular Weight	23.800kDa inclusive of tags
Tissue specificity	Heart, placenta, liver, skeletal muscle, and pancreas and, with weaker intensity, in several other tissues.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 50% Glycerol, 5mM DTT, 200mM Sodium chloride, 20mM Tris HCl, 2mM EDTA, 0.1mM PMSF, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MMGSSHHHHHH SSGLVPRGSH MVKVVLVGDG GCGKTSLLMV FADGAFPESY TPTVFERVMV NLQVKGKPVH LHIWDTAGQD DYDRLRPLFY PDASVLLLCF DVTSPNSFDN IFNRWYPEVN HFCKKVPIIV VGCKTDLRKD KSLVNKLRRN GLEPVTYHRG QEMARSVGAV AYLECSARLH DNVHAVFQEA AEVALSSRGR NFWRRITQGF C
Sequence Similarities	Belongs to the small GTPase superfamily. Rho family.

GENE INFORMATION

Gene Name	RHOD ras homolog gene family, member D [Homo sapiens]
Official Symbol	RHOD
Synonyms	RHOD; ras homolog gene family, member D; ARHD; rho-related GTP-binding protein RhoD; Rho; Rho related GTP binding protein RhoD; Rho related protein HP1; RhoD; RhoHP1;
Gene ID	29984
mRNA Refseq	NM_014578
Protein Refseq	NP_055393

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MIM	605781
Uniprot ID	O00212
Chromosome Location	11q14.3
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding;

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