

Recombinant Human Ras Homolog Gene Family, Member D, His-tagged

Cat. No. RHOD-1629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human RHOD was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	RHOD is a member of the Rho gene family that interacts with protein kinases and serves as a target of activated GTPase. RHOD binds GTP and plays a critical role in muscle differentiation by regulating the expression of myogenin and MEF2 genes. Furthermore, RHOD is involved in endosome dynamics and reorganization of the actin cytoskeleton and plays a role in coordinating membrane transport.
Applications	Kinase Assay; Western Blot
Molecular Weight	22 kDa
Expression System	E. coli
Form	Recombinant protein stored in 50 mM MOPS, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.
Purity	> 80 %

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Concentration	0.2 ug/ul
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Axon guidance; Rho GTPase cycle; Signaling by Rho GTPases
Full Length	Full L.
GENE INFORMATION	
Gene Name	RHOD ras homolog gene family, member D [Homo sapiens]
Official Symbol	RHOD
Synonyms	RHOD; ras homolog gene family, member D; Rho; ARHD; RHOM; RHOHP1; rho-related GTP-binding protein RhoD; ras homolog D; OTTHUMP00000235165; Rho-related protein HP1; ras homolog gene family, member A; Rho-related GTP-binding protein RhoD; Rho-related protein HP1
Gene ID	29984
mRNA Refseq	NM_014578
Protein Refseq	NP_055393
MIM	605781

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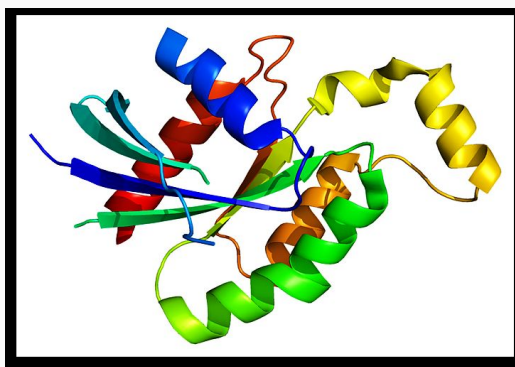
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UniProt ID O00212

Chromosome Location 11q14.3

Function GTP binding; GTPase activity; nucleotide binding

PDBrendering based on 2j1l.



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