

## Recombinant Human RAB3D, His-tagged

Cat. No. RAB3D-3585H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Rab3D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-219 aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Ras-related protein Rab-3D, also known as GOV, is a member of the Ras superfamily of small Rab GTPases. Rab proteins play an important role for, either in endocytosis or in biosynthetic protein transport. Rab3D mRNA is predominantly expressed in white adipose tissue and, coincident with GLUT4, increases upon differentiation of 3T3-L1 broblasts into insulin-responsive adipocytes. Rab3D displays close structural similarities with Rab 3A, an isoform which has been functionally implicated in regulated exocytosis in various cell types.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.2M NaCl
<b>Molecular Weight</b>	26.4 kDa (239aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
<b>Purity</b>	> 90% by SDS - PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequences of amino acids**

MGSSHHHHHH SSSLVPRGSH MASAGDTQAG PRDAADQNFD YMFKLLLIGN  
 SSVGKTSFLF RYADDSFTPA FVSTVGIDFK VKTVYRHDKR IKLQIWDTAG  
 QERYRTITTA YYRGAMGFLL MYDIANQESF AAVQDWATQI KTYSWDNAQV  
 ILVGNKCDLE DERVVPAEDG RRLADDLGFE FFEASAKENI NVKQVFERLV  
 DVICEKMNES LEPSSSSGSN GKGPVAVGDAP APQPSSCSC

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

RAB3D RAB3D, member RAS oncogene family [ Homo sapiens ]

**Official Symbol**

RAB3D

**Synonyms**

RAB3D; GOV; D2-2; RAB16; RAD3D; RAB3D, member RAS oncogene family ; ras-related protein Rab-3D; glioblastoma overexpressed; Rab3D upregulated with myeloid differentiation; Ras-related protein Rab-3D

**Gene ID**

9545

**mRNA Refseq**

NM\_004283

**Protein Refseq**

NP\_004274

**MIM**

604350

**UniProt ID**

O95716

**Chromosome Location**

19p13.2

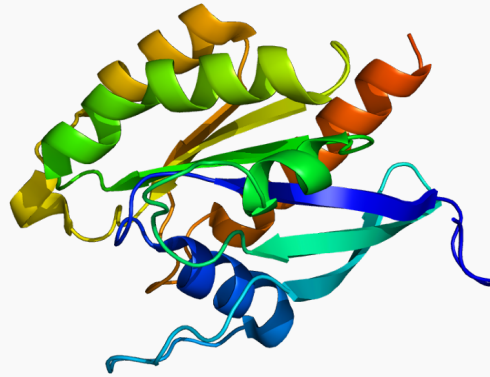
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**Function**

GTP binding; GTPase activity; GTPase binding; nucleotide binding

**PDBrendering based  
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