

Recombinant Human RAB3D, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.2M NaCl
Molecular Weight	26.4 kDa (239aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH 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
on 2gf9.



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