

# Recombinant human RAB3D protein

Catalog Number: ATGP1102

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-219aa

**UniProt No.**

O95716

**NCBI Accession No.**

NP\_004274

**Alternative Names**

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

## PRODUCT SPECIFICATION

**Molecular Weight**

26.4 kDa (239aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.2M NaCl

**Purity**

> 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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 fibroblasts 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. Recombinant human

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Rab3D protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

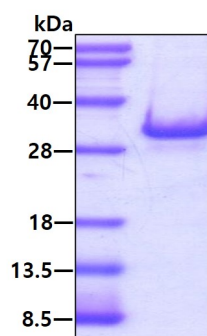
<MGSSHHHHHH SSGLVPRGSH> MASAGDTQAG PRDAADQNFD YMFKLLLIGN SSVGKTSFLF RYADDSTPA  
FVSTVGIDFK VKTVYRHDKR IKLQIWDTAG QERYRTITTA YYRGAMGFL MYDIANQESF AAVQDWATQI KTYSWDNAQV  
ILVGNKCDLE DERVVPAEDG RRLADDLGFE FFEASAKENI NVKQVFERLV DVICEKMNES LEPSSSSGSN GKGPVGDAP  
APQPSSCSC

## General References

Zahraoui A., et al. (1989) J Biol Chem. 264:12934-12401.  
Baldini G., et al. (1992) Proc Natl Acad Sci. 89:5049-5052.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.