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RAB3D Human

Catalog #:PRPS-254

For research use only.

Description:RAB3D produced in E.Coli is a single, non-glycosylated polypeptide chain containing 239 amino acids (1-219 a.a) and having a molecular mass of 26.4kDa (Molecular weight on SDS-PAGE will appear higher). RAB3D is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Ras-related protein Rab-3D, RAB3D, GOV, RAB16, D2-2, RAD3D.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MASAGDTQAG PRDAADQNFD YMFKLLLIGN SSVGKTSFLF RYADDSFTPA FVSTVGIDFK VKTVYRHDKR IKLQIWDTAG QERYRTITTA YYRGAMGFLL MYDIANQESF AAVQDWATQI KTYSWDNAQV ILVGNKCDLE DERVVPAEDG RRLADDLGFE FFEASAKENI NVKQVFERLV DVICEKMNES LEPSSSSGSN GKGPAVGDAP AP

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

RAB3D protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.2M NaCl.

Stability:

RAB3D Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Ras-related protein Rab-3D (RAB3D) belongs to the Ras superfamily of small Rab GTPases. Rab proteins play a vital role for, either in endocytosis or in biosynthetic protein transport. Rab3D mRNA is primarily expressed in white adipose tissue and, coincident with GLUT4, increases upon differentiation of 3T3-L1 fibroblasts into insulin-responsive adipocytes. Rab3D exhibits close structural similarities with Rab 3A, an isoform which is functionally associated with regulated exocytosis in various cell types.

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