## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-220aa

**UniProt No.** P20336

NCBI Accession No. NP\_002857

Alternative Names RAB3A member RAS oncogene family, Ras-related protein Rab-3A, RAS-associated protein RAB3A

## **PRODUCT SPECIFICATION**

**Molecular Weight** 27.1 kDa (240aa) confirmed by MALDI-TOF

**Concentration** 0.5mg/ml (determined by Bradford assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

**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

Rab3A belongs to the small GTPase superfamily, Rab family. It is a small, Ras-like GTPase expressed in neuroendocrine cells, in which it is associated with secretory vesicle membranes and regulates exocytosis. This protein could play a role in neurotransmitter release by regulating membrane flow in the nerve terminal. Recombinant human RAB3A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



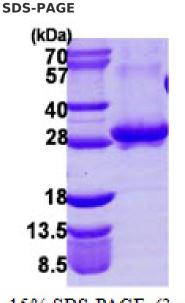
#### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MASATDSRYG QKESSDQNFD YMFKILIIGN SSVGKTSFLF RYADDSFTPA FVSTVGIDFK VKTIYRNDKR IKLQIWDTAG QERYRTITTA YYRGAMGFIL MYDITNEESF NAVQDWSTQI KTYSWDNAQV LLVGNKCDME DERVVSSERG RQLADHLGFE FFEASAKDNI NVKQTFERLV DVICEKMSES LDTADPAVTG AKQGPQLSDQ QVPPHQDCAC

#### **General References**

Brondyk WH. et al. (1995) Mol Cell Biol.15:1137-1143. Novick P. et al. (1993) Cell. 75:597-601.

# DATA



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

# 15% SDS-PAGE (3ug)