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Recombinant human RAB3A protein

Catalog Number: ATGP1105

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.

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Amino acid Sequence

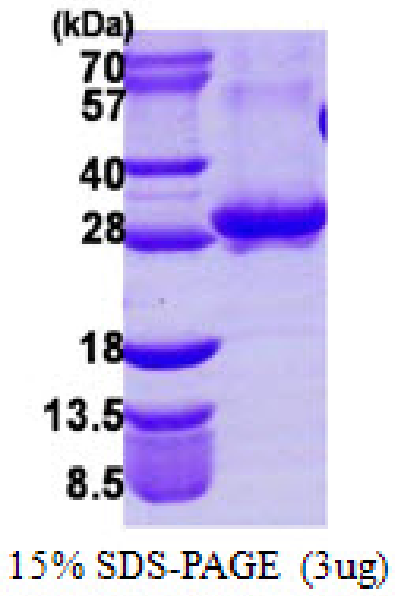
MGSSHHHHHH SSGLVPRGSH MASATDSRYG QKESSDQNFD YMFKILIIGN SSVGKTSFLF RYADDSFTPA FVSTVGIDFK VKTIYRNDKR IKLQIWDTAG QERYRTITTA YYRGAMGFIL MYDITNEESF NAVQDWSTQI KTYSWDNAQV LLVGNKCDME DERVVSSERG RQLADHLGFE FFEASAKDNI NVKQTFERLV DVICEKMSES LDTADPAVTG AKQGPQLSDQ QVPPHQDCAC

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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