

Recombinant human RAB3IL protein

Catalog Number: ATGP2908

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-382aa

UniProt No.

Q8TBN0

NCBI Accession No.

NP_037533

Alternative Names

RAB3A interacting protein like 1, Rabin3-like 1, Guanine nucleotide exchange factor for Rab-3A, GRAB

PRODUCT SPECIFICATION

Molecular Weight

45 kDa (405aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 50% glycerol

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

Guanine nucleotide exchange factor for Rab-3A isoform 1, also known as RAB3IL, is a 382 amino acid protein that belongs to the SEC2 family. RAB3IL1 is a guanine nucleotide exchange factor (GEF) for Rab3A. RAB3IL1 competes for an interaction with Rab3A and IHPK1 through its coiled coil domain, which does not require IHPK1 kinase activity. Recombinant human RAB3IL1 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 MGSMWSGPPQ PDQGLPPPLA AVVPVPWKSTD PCQGHRESPG ALVETSAGEE
AQGQEGPAAA QLDVLRRLRSS SMEIREKGSE FLKEELHRAQ KELKLKDEEC ERLSKVREQL EQELEELTAS LFEEAHKMVR
EANMKQAASE KQLKEARGKI DMLQAEVTAL KTLVITSTPA SPNRELHPQL LSPTKAGPRK GHSRHKSTSS TLCPAVCPAA
GHTLTDPREG KEVDITLFAE FQAWRESPTL DKTCPFLERV YREDVGPCLD FTMQELSVLV RAAVEDNTLT IEPVASQTLP
TVKVAEVDGS STNTCALSGL TRTCRHRIRL GDSKSHYYIS PSSRARITAV CNFFTYIRYI QQGLVRQDAE PMFWEIMRLR
KEMSLAKLGF FPQEA

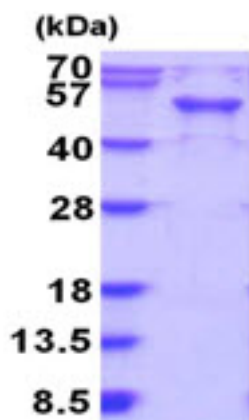
General References

Luo H R., et al. (2001) Neuron. 31: 439-451.
Rual J F., et al. (2005) Nature. 437: 1173-1178.

DATA

SDS-PAGE

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



15% SDS-PAGE (3ug)