

Recombinant Human RAB3A interacting protein (rabin3)-like 1, His-tagged

Cat. No. RAB3IL1-685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAB3IL, 1-382aa, Human, His tag, E.col
Species	Human
Source	E.coli
ProteinLength	1-382 a.a.
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.
Form	Liquid. In Phosphate buffer saline (pH 7.4) containing 50% glycerol
Molecular Mass	45kDa (405aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMWSGPPQ PDQGLPPPLA AVPVPWKSTD PCQGHRESPG ALVETSAGEE AQQQEGPAAA QLDVLRRLRSS SMEIREKGSE FLKEELHRAQ KELKLKDEEC ERLSKVREQL EQELEELTAS LFEEAHKMVR EANMKQAASE KQLKEARGKI DMLQAEVTAL KTLVITSTPA SPNRELHPQL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LSPTKAGPRK GHSRHKSTSS TLCPAVCPAA GHTLTPDREG KEVDITLFAE
 FQAWRESPTL DKTCPFLERV YREDVGPCLD FTMQELSVLV RAAVEDNTLT
 IEPVASQTLT TVKVAEVDCS STNTCALSGL TRTCRHRIRL GDSKSHYYIS
 PSSRARITAV CNFFTYIRYI QQGLVRQDAE PMFWEIMRLR KEMSLAKLGF FPQEA

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RAB3IL1 RAB3A interacting protein \(rabin3\)-like 1 \[Homo sapiens \]](#)

Official Symbol RAB3IL1

Synonyms RAB3IL1; RAB3A interacting protein (rabin3)-like 1; guanine nucleotide exchange factor for Rab-3A; rabin3-like 1; rab3A-interacting-like protein 1; rab-3A-interacting-like protein 1; guanine nucleotide exchange factor for Rab3A; GRAB;

Gene ID [5866](#)

mRNA Refseq [NM_013401](#)

Protein Refseq [NP_037533](#)

UniProt ID [Q8TBN0](#)

Chromosome 11q12.2

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Location**Function**

Rab guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; kinase binding; protein binding;

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