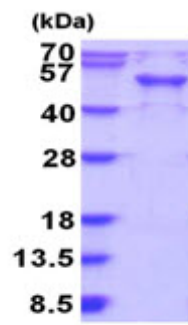


**AR51728PU-S****Human RAB3IL1 (1-382, His-tag) - Purified**

|                          |   |
|--------------------------|---|
| <b>Alternate names:</b>  | GRAB, Guanine nucleotide exchange factor for Rab-3A, Rab-3A-interacting-like protein 1, Rabin3-like 1   |
| <b>Quantity:</b>         | 50 µg   |
| <b>Concentration:</b>    | 0.25 mg/ml (determined by Bradford assay)   |
| <b>Background:</b>       | 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.   |
| <b>Uniprot ID:</b>       | <a href="#">Q8TBN0</a>  |
| <b>NCBI:</b>             | <a href="#">NP_037533</a>   |
| <b>GeneID:</b>           | <a href="#">5866</a>  |
| <b>Species:</b>          | Human   |
| <b>Source:</b>           | E. coli   |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >90% by SDS - PAGE<br><b>Buffer System:</b> Phosphate buffer saline (pH 7.4) containing 50% glycerol.   |
| <b>Description:</b>      | Recombinant human RAB3IL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.<br><b>AA Sequence:</b><br>MGSSHHHHHH SSGLVPRGSH MGSWWSGPPQ PDQGLPPPLA AVPVPWKSTD PCQGHRESPG<br>ALVETSAGEE AQQQEGPAAA QLDVLRRLRSS SMEIREKGSE FLKEELHRAQ KELKLDDEEC<br>ERLSKVREQL EQELEELTAS LFEEAHKMVR EANMKQAASE KQLKEARGKI DMLQAEVTAL<br>KTLVITSTPA SPNRELHPQL LSPTKAGPRK GHSRHKSTSS TLCPAVCPAA GHTLTPDREG<br>KEVDTILFAE FQAWRESPTL DKTCPFLERV YREDVGPCLD FTMQELSVLV RAAVEDNTLT<br>IEPVASQTLT TVKVAEVDCS STNTCALSGL TRTCRHRIRL GDSKSHYYIS PSSRARITAV<br>CNFFTYIRYI QQGLVRQDAE PMFWEIMRLR KEMSLAKLGF FPQEA<br><b>Molecular weight:</b> 45 kDa (405aa) confirmed by MALDI-TOF |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |
| <b>General Readings:</b> | Luo H R., et al. (2001) Neuron. 31: 439-451. Rual J F., et al. (2005) Nature. 437: 1173-1178.   |

Pictures:



15% SDS-PAGE (3ug)