

## Recombinant Human RAB3D, His-tagged

Cat. No. RAB3D-31275TH Lot. No. (See product label)

### SPECIFICATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Recombinant full length Human Rab3D with an N terminal His tag; 239 amino acids with tag, Predicted MWt 26.4 kDa.  |
| <b>Species</b>            | Human  |
| <b>Source</b>             | E.coli   |
| <b>ProteinLength</b>      | 219 amino acids  |
| <b>Description</b>        | Ras-related protein Rab-3D, also known as GOV, is a member of the Ras superfamily of small Rab GTPases. Rab proteins play an important role for, either in endocytosis or in biosynthetic protein transport. |
| <b>Conjugation</b>        | HIS  |
| <b>Molecular Weight</b>   | 26.400kDa inclusive of tags  |
| <b>Tissue specificity</b> | Highly expressed in granulocytes of peripheral blood. Constitutively expressed at low levels in all hematopoietic cell lines investigated.   |
| <b>Form</b>               | Liquid   |
| <b>Purity</b>             | >90% by SDS-PAGE   |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 30% Glycerol, 0.2M Sodium chloride, 20mM Tris  |

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|                                 |   |
|---------------------------------|---|
|                                 | HCl, 1mM DTT, pH 8.0  |
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.   |
| <b>Sequences of amino acids</b> | MGSSHHHHHSSGLVPRGSHMASAGDTQAGPRDAADQNFDYMFKLLLIGNSSVGK<br>TSFLFRYADDSFTPAFVSTVGIDFKVKTVYRHDKRIKLQIWDTAGQERYRTITTAYYR<br>GAMGFLLMYDIANQESFAAVQDWATQIKTYSWDNAQVILVGNKCDLEDERVVPAED<br>GRRLADDLGFEFFFEASAKENINVKQVFERLVDVICEKMNESLEPSSSSSGSNGKGPV<br>GDAPAPQPSSCSC |
| <b>Sequence Similarities</b>    | Belongs to the small GTPase superfamily. Rab family.  |
| <b>GENE INFORMATION</b>         |   |
| <b>Gene Name</b>                | <a href="#">RAB3D RAB3D, member RAS oncogene family [ Homo sapiens ]</a>  |
| <b>Official Symbol</b>          | <a href="#">RAB3D</a>   |
| <b>Synonyms</b>                 | RAB3D; RAB3D, member RAS oncogene family; GOV; ras-related protein Rab-3D; D2 2; glioblastoma overexpressed; Rab3D upregulated with myeloid differentiation; RAB16; RAD3D;  |
| <b>Gene ID</b>                  | <a href="#">9545</a>  |
| <b>mRNA Refseq</b>              | <a href="#">NM_004283</a>   |
| <b>Protein Refseq</b>           | <a href="#">NP_004274</a>   |
| <b>MIM</b>                      | <a href="#">604350</a>  |

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| <b>Uniprot ID</b>          | O95716  |
| <b>Chromosome Location</b> | 19p13.2   |
| <b>Pathway</b>             | Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; |
| <b>Function</b>            | GTP binding; GTPase activity; GTPase binding; nucleotide binding;                             |

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