

## Product datasheet for **AR50114PU-N**

### **RAB18 (1-206, His-tag) Human Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | RAB18 (1-206, His-tag) human recombinant protein, 0.25 mg   |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | MASMTGGQQM GRGSHMDEDV LTTLKILIIG ESGVGKSSLL LRFTDDTFDP ELAATIGVDF KVKTISVDGN KAKLAIWDTA GQERFRTLTP SYRGAQGVI LVYDVTRRDT FVKLDNWLNE LETYCTRNDI VNMLVGNKID KENREVDNRNE GLKFARKHSM LFIEASAKTC DGVQCAFEEL VEKIIQTPGL WESENQNKGV KLSHREEGQG GGACGGYCSV L |
| <b>Tag:</b>                                  | His-tag   |
| <b>Predicted MW:</b>                         | 24.5 kDa  |
| <b>Concentration:</b>                        | lot specific  |
| <b>Purity:</b>                               | >90% by SDS - PAGE  |
| <b>Buffer:</b>                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT   |
| <b>Preparation:</b>                          | Liquid purified protein   |
| <b>Protein Description:</b>                  | Recombinant human Rab18 protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.   |
| <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.  |
| <b>Stability:</b>                            | Shelf life: one year from despatch.   |
| <b>RefSeq:</b>                               | <a href="#">NP_001243339</a>  |
| <b>Locus ID:</b>                             | 22931   |
| <b>UniProt ID:</b>                           | <a href="#">Q9NP72</a>  |
| <b>Cytogenetics:</b>                         | 10p12.1   |
| <b>Synonyms:</b>                             | RAB18LI1; WARBM3  |



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**Summary:**

The protein encoded by this gene is a member of a family of Ras-related small GTPases that regulate membrane trafficking in organelles and transport vesicles. Knockdown studies in zebrafish suggest that this protein may have a role in eye and brain development. Mutations in this gene are associated with Warburg micro syndrome type 3. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]

**Protein Families:**

Druggable Genome

**Product images:**