

## Recombinant Human AGAP1, His-tagged

Cat. No. AGAP1-26447TH Lot. No. (See product label)

### SPECIFICATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Recombinant fragment, corresponding to amino acids 675-804 of Human AGAP1 with N terminal His tag; 130 amino acids, 18kDa.   |
| <b>Species</b>            | Human  |
| <b>Source</b>             | E.coli   |
| <b>ProteinLength</b>      | 675-804 a.a.   |
| <b>Description</b>        | This gene encodes a member of an ADP-ribosylation factor GTPase-activating protein family involved in membrane trafficking and cytoskeleton dynamics. This gene functions as a direct regulator of the adaptor-related protein complex 3 on endosomes. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Conjugation</b>        | HIS  |
| <b>Tissue specificity</b> | Widely expressed.  |
| <b>Form</b>               | Lyophilised:Reconstitute with 148 µl aqua dest.  |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5  |
| <b>Storage</b>            | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.  |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Sequences of amino acids**      TELSLGQHLLRATADEDLRTAILLLAHGSRDEVNETCGEG DGRTALHLACRKGNNV  
 LAQLLIWYGVDVTARDAHGNTA LAYARQASSQECIDVLLQYGCPDERFVLMATPNL  
 SRRN NNRNNSSGRVPTII

**Sequence Similarities**      Belongs to the centaurin gamma-like family.Contains 2 ANK repeats.Contains 1 Arf-GAP domain.Contains 1 PH domain.

## GENE INFORMATION

**Gene Name**      [AGAP1 ArfGAP with GTPase domain, ankyrin repeat and PH domain 1 \[ Homo sapiens \]](#)

**Official Symbol**      [AGAP1](#)

**Synonyms**      AGAP1; ArfGAP with GTPase domain, ankyrin repeat and PH domain 1; centaurin, gamma 2 , CENTG2; arf-GAP with GTPase, ANK repeat and PH domain-containing protein 1; GGAP1; KIAA1099;

**Gene ID**      [116987](#)

**mRNA Refseq**      [NM\\_014914](#)

**Protein Refseq**      [NP\\_055729](#)

**MIM**      [608651](#)

**Uniprot ID**      [Q9UPQ3](#)

**Chromosome Location**      2q37

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|                 |  |
|-----------------|--|
| <b>Pathway</b>  | Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;                          |
| <b>Function</b> | ARF GTPase activator activity; GTP binding; metal ion binding; nucleotide binding; zinc ion binding; |

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