

## Recombinant Human ARAP1 protein, GST-tagged

Cat. No. ARAP1-32H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human ARAP1(1 a.a. - 1205 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Wheat Germ   |
| <b>ProteinLength</b>    | 1-1205 a.a.  |
| <b>Description</b>      | The protein encoded by this gene contains SAM, ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology (PH) domains. In vitro, this protein displays RHO-GAP and phosphatidylinositol (3,4,5) trisphosphate (PIP3)-dependent ARF-GAP activity. The encoded protein associates with the Golgi, and the ARF-GAP activity mediates changes in the Golgi and the formation of filopodia. It is thought to regulate the cell-specific trafficking of a receptor protein involved in apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |
| <b>Molecular Mass</b>   | 162.2 kDa  |
| <b>AA Sequence</b>      | MTKKEEPPPSRVPRAVRVASLLSEGEELSGDDQGDEEEDDHAYEGVPNGGWHTS<br>SLSLSLPSTIAAPHPMDGPPGGSTPVTVPVIKAGWLDKNPPQGSYIYQKRWVRLDTD<br>HLRYFDSNKDAYSKRIFISVACISHVAAIGDQKFEVITNNRTFAFRAESDVERKEWMQ<br>ALQQAMAEQRARARLSSAYLLGVPGSEQPDRAGSLELRGFKNKLYVAVVGDKVQL   |

 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



YKNLEEYHLGIGITFIDMSVGNVKEVDRRSFDLTPYRIFSFSADSELEKEQWLEAMQ  
 GAIAEALSTSEVAERIWAAAPNRF CADCGAPQPDWASINLCVVICKRCAGEHRGLGA  
 GVSKVRS LKMDR KVWTETLIELFLQLGNGAGNRFWAANVPPSEALQPSSSPSTRRC  
 HLEAKYREGKYRRYHPLFGNQEELDKALCAA VTTTDLAETQALLGCGAGINCFSGD  
 PEAPTPLALAEQAGQTLQMEFLRNNRTTEVPRLDSMKPLEKHYSVVLPTVSHSGFL  
 YKTASAGKLLQDRRAREEFSRRWCVLGDGVLSYFENERAVTPNGEIRASEIVCLAVP  
 PPDTHGFEHTFEVYTEGERLYLFGLESAEQAHEWVKCIAKAFVPPLAEDLLARDFER  
 LGRLPYKAGLSLQRAQEGWFSLSGSELRAVFPEGPCEEPLQLRKLQELSIQGDSEN  
 QVLVLVERRRTLYIQGERRLDFMGWLGAIQKAAASMGDTLSEQQLGSDIPVIVYRC  
 VDYITQCGLTSEGIYRKCQGTSKTQRLLLES LRQDARSVHLKEGEQHVDDVSSALKRF  
 LRDLPDGLFTRAQRLTWLEASEIEDEEEKVSR YRELLVRLPPVNRATVKALISHLYCV  
 QCFSDTNQMNVHNLAIIVFGPTLFQTDGQDYKAGRVEDLINHYVVVFSVDEEELRK  
 QREEITAIVKMRVAGTASGTQHAGDFICTVYLEEKKAETE QHIKVPASMTAEELTLEIL  
 DRRNVGIREKDYWTCFEVNEREEAERPLHFAEKVLPILHGLGTDSHLVVKKHQAME  
 AMLLYLASRVGDTKHGMMKFREDRSLGLGLPSGGFHDRYFILNSSCLRLYKEVRS  
 QRPWSGAPETSHRPEKEWPIKSLKVYLGVKKLRPPTCWGFTVVHETEKHEKQQW  
 YLCCDTQMELEWFATFLFVQHDGLVWPSEPSRVSRAVPEVRLGVSLSLIPLRGEN  
 EMRRSVA AFTADPLSLLRNV

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**GENE INFORMATION**

**Gene Name**

ARAP1 ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1 [ Homo sapiens ]

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

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

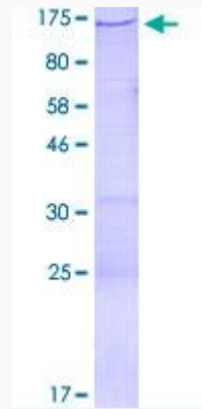
45-1 Ramsey Road, Shirley, NY 11967, USA


|                            |   |
|----------------------------|---|
| <b>Official Symbol</b>     | ARAP1   |
| <b>Synonyms</b>            | ARAP1; ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1; centaurin, delta 2 , CENTD2; arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1; cnt-d2; centaurin-delta-2; centaurin, delta 2; ARF-GAP, RHO-GAP, ankyrin repeat, and pleckstrin homology domains-containing protein 1; CENTD2; KIAA0782; |
| <b>Gene ID</b>             | 116985  |
| <b>mRNA Refseq</b>         | NM_001040118  |
| <b>Protein Refseq</b>      | NP_001035207  |
| <b>MIM</b>                 | 606646  |
| <b>UniProt ID</b>          | Q96P48  |
| <b>Chromosome Location</b> | 11q13.3   |
| <b>Pathway</b>             | Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;                                       |
| <b>Function</b>            | ARF GTPase activator activity; Rho GTPase activator activity; metal ion binding; phosphatidylinositol-3,4,5-trisphosphate binding; protein binding; zinc ion binding;   |

 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



 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