# CENTD2 (Human) Recombinant Protein (Q01)
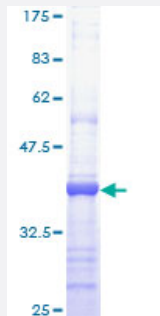
Catalog #    H00116985-Q01          Size    25 ug, 10 ug

## Applications



## Specification

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| **Product Description** | Human CENTD2 partial ORF ( AAH56401, 101 a.a. - 200 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | DFERLGRLPYKAGLSLQRAQEGWFSLSGSELRAVFPEGPCEEPLQLRKLQELSIQGDSENQVLV LVERRRTLYIQGERRLDFMGWLGAIQKAAASMGDTL |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 36.63 |
| **Interspecies Antigen Sequence** | Mouse (91); Rat (91) |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

- Antibody Production

- Protein Array

## Gene Info — ARAP1

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|---|---|
| **Entrez GeneID** | 116985 |
| **GeneBank Accession#** | BC056401 |
| **Protein Accession#** | AAH56401 |
| **Gene Name** | ARAP1 |
| **Gene Alias** | CENTD2, KIAA0782 |
| **Gene Description** | ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1 |
| **Omim ID** | 606646 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | 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. [provided by RefSeq |
| **Other Designations** | ARF-GAP, RHO-GAP, ankyrin repeat, and pleckstrin homology domains-containing protein 1\|centaurin, delta 2 |

## Pathway

- Endocytosis