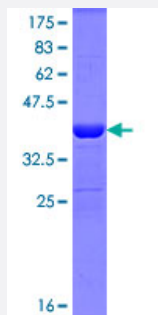


# MAGI2 (Human) Recombinant Protein (Q01)

Catalog # H00009863-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human MAGI2 partial ORF ( NP_036433, 519 a.a. - 628 a.a.) recombinant protein with GST-tag at N-terminal.           |
| <b>Sequence</b>                      | PANSMVPPLAIMERPPPVMMVNGRHNHYETYLEYISRTSQSVPDITDRPPHSLHSMPTDGQLDGTYP<br>PPVHDDNVSMASGATQAELMTLTVKGAQGFSGFTIADSPTGQRV |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                               |
| <b>Theoretical MW (kDa)</b>          | 37.84                                                                                                               |
| <b>Interspecies Antigen Sequence</b> | Mouse (99); Rat (97)                                                                                                |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                               |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                   |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                         |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                            |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                     |
| <b>Note</b>                          | 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 — MAGI2

Entrez GeneID [9863](#)

GeneBank Accession# [NM\\_012301](#)

Protein Accession# [NP\\_036433](#)

Gene Name MAGI2

Gene Alias ACVRIP1, AIP1, ARIP1, MAGI-2, SSCAM

Gene Description membrane associated guanylate kinase, WW and PDZ domain containing 2

Omim ID [606382](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene interacts with atrophin-1. Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidolusian atrophy. This encoded protein is characterized by two WW domains, a guanylate kinase-like domain, and multiple PDZ domains. It has structural similarity to the membrane-associated guanylate kinase homologue (MAGUK) family. [provided by RefSeq]

**Other Designations** activin receptor interacting protein 1|atrophin 1 interacting protein 1|atrophin-1 interacting protein A|membrane associated guanylate kinase 2

## Pathway

- [Tight junction](#)

## Disease

- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Tobacco Use Disorder](#)