

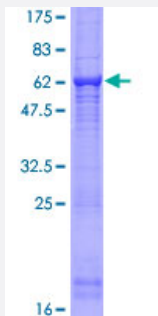
## Full-Length

# RGN (Human) Recombinant Protein (P01)

Catalog # H00009104-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human RGN full-length ORF ( NP\_004674.1, 1 a.a. - 299 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MSSIKIECVLPENCRCGESPVWEEVSNSLLFVDIPAKKVCRWDSFTKQVQRVTMDAPVSSVALR  
QSGGYVATIGTKFCALNWKEQSAVVLATVDNDKKNRNFNDGKVDPAGRYFAGTMAEETAPAVLE  
RHQGALYSLFPDHHVKKYFDQVDISGLDWSLDHKIFYIDSLSYSVDAFDYDLQTGQISNRRSVY  
KLEKEEQIPDGMCIDAEGLWVACYNGGRVIRLDPVTGKRLQTVKLPVDKTTSCCFGGKNYSEMY  
VTCARDGMDPEGLLRQPEAGGIFKITGLGVKGIAPYSYAG

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

59.7

### Interspecies Antigen Sequence

Rat (88)

### 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 — RGN

**Entrez GeneID**[9104](#)**GeneBank Accession#**[NM\\_004683.4](#)**Protein Accession#**[NP\\_004674.1](#)**Gene Name**

RGN

**Gene Alias**

RC, SMP30

**Gene Description**

regucalcin (senescence marker protein-30)

**Omim ID**[300212](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. It may have an important role in calcium homeostasis. Studies in rat indicate that this protein may also play a role in aging, as it shows age-associated down-regulation. This gene is part of a gene cluster on chromosome Xp11.3-Xp11.23. Alternative splicing results in two transcript variants having different 5' UTRs, but encoding the same protein. [provided by RefSeq]

**Other Designations**

OTTHUMP00000023195|OTTHUMP00000023196|regucalcin|senescence marker protein-30