

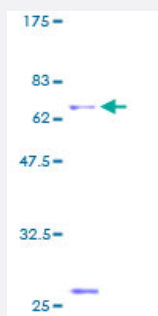
Full-Length

# ACRV1 (Human) Recombinant Protein (P01)

Catalog # H00000056-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human ACRV1 full-length ORF ( AAH14588, 1 a.a. - 265 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MNRFLLMSLYLLGPARGTSSQPNELSGSIDHQTSVQQLPGEFFSLENPSDAEALYETSSGLNTL  
SEHGSSEHGSSKHTVAEHTSGEHAESEHASGEPAAATEHAEGEHTVGEQPSGEQPSGEHLSGE  
QPLSELESGEQPSDEQPSGEHSGEQPSGEQASGEQPSGEHASGEQASGAPISSTSTGTILNC  
YTCAYMNDQGKCLRGETCITQNSQQCMLKKIFEGGKLQFMVQGCENMCPSMNLFSHGTRMQII  
CCRNQSFCKNI

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

54.89

### Interspecies Antigen Sequence

Mouse (62); Rat (61)

### 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 — ACRV1

**Entrez GeneID**[56](#)**GeneBank Accession#**[BC014588](#)**Protein Accession#**[AAH14588](#)**Gene Name**

ACRV1

**Gene Alias**

D11S4365, SP-10, SPACA2

**Gene Description**

acrosomal vesicle protein 1

**Omim ID**[102525](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a testis-specific, differentiation antigen, acrosomal vesicle protein 1, that arises within the acrosomal vesicle during spermatogenesis, and is associated with the acrosomal membranes and matrix of mature sperm. This gene consists of 4 exons and its alternative splicing generates multiple distinct transcripts, which encode protein isoforms ranging from 81 to 265 amino acids. The longest transcript is the most abundant, comprising 53-72% of the total acrosomal vesicle protein 1 messages; the second largest transcript comprises 15-32%; the third and the fourth largest transcripts account for 3.4-8.3% and 8.7-12.5%, respectively; and the remaining transcripts combined account for < 1% of the total acrosomal vesicle protein 1 message. It is suggested that phenomena of cryptic splicing and exon skipping occur within this gene. The acrosomal vesicle protein 1 may be involved in sperm-zona binding or penetration, and it is a potential contraceptive vaccine immunogen for humans. [provided by RefSeq]

**Other Designations**

sperm protein 10