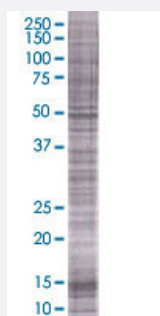


# ACRV1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000056-T01

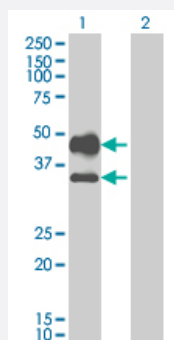
Size 100 uL

## Applications



### SDS-PAGE Gel

ACRV1 transfected lysate



### Western Blot

Lane 1: ACRV1 transfected lysate ( 29.26 KDa).

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACRV1 full-length
Host	Human
Theoretical MW (kDa)	29.26
Interspecies Antigen Sequence	Mouse (62); Rat (61)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACRV1 antibody ([H00000056-B01](#)) by Western Blots.  
SDS-PAGE Gel  
ACRV1 transfected lysate  
Western Blot  
Lane 1: ACRV1 transfected lysate ( 29.26 KDa).  
Lane 2: Non-transfected lysate.

## Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

## Storage Instruction

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

## Applications

- Western Blot

## 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

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