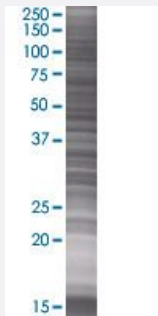


ACRV1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000056-T02

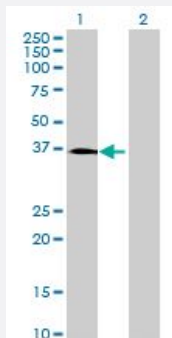
Size 100 uL

Applications



SDS-PAGE Gel

ACRV1 transfected lysate.



Western Blot

Lane 1: ACRV1 transfected lysate (28.2 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACRV1 full-length
Host	Human
Theoretical MW (kDa)	28.2
Interspecies Antigen Sequence	Mouse (62); Rat (61)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACRV1 antibody ([H00000056-B02](#)) by Western Blots.
SDS-PAGE Gel
ACRV1 transfected lysate.
Western Blot
Lane 1: ACRV1 transfected lysate (28.2 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#**[NM_001612](#)**Protein Accession#**[NP_001603](#)**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 Designationssperm protein 10
