



Recombinant Human Acrosomal protein SP-10 (ACRV1)

Product Code	CSB-EP001186HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P26436
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	QPNELSGSI DHQTSVQQLP GEFFSLENPS DAEALYETSS GLNTLSEHGS SEHGSSKHTV AEHTSGEHAE SEHASGEPAA TEHAEGEHTV GEQPSGEQPS GEHLSGEQPL SELESGEQPS DEQPSGEHGS GEQPSGEQAS GEQPSGEHAS GEQASGAPIS STSTGTILNC YTCAYMNDQG KCLRGEGTCI TQNSQQCMLK KIFEGGKLQF MVQGCENMCP SMNLFHSHGTR MQIICCRNQS FCNKI
Source	E.coli
Target Names	ACRV1
Protein Names	Recommended name: Acrosomal protein SP-10 Alternative name(s): Acrosomal vesicle protein 1
Expression Region	22-265
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.