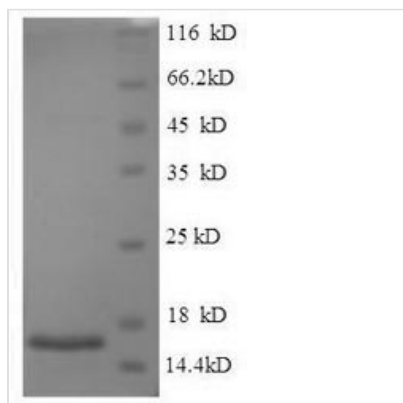




Recombinant Human Acrosomal protein SP-10 (ACRV1)

Product Code	CSB-EP001186HU
Abbreviation	Recombinant Human ACRV1 protein
Storage	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.
Uniprot No.	P26436
Alias	Acrosomal vesicle protein 1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QPNELSGSIDHQTSVQQLPGEFFSLENPSDAEALYETSSGLNTLSEHGSSEHG SSKHTVAEHTSGEHAESEHASGEPAATEHAEGEHTVGEQPSGEQPSGEHLS GEQPLSELESGEQPSDEQPSGEHGSGEQPSGEQASGEQPSGEHASGEQAS GAPISSTSTGTILNCYTCAYMNDQGKCLRGEGTCITQNSQQCMLKKIFEGGKL QFMVQGCENMCPSMNLFSHGTRMQIICCRNQSFCNKI
Research Area	Signal Transduction
Source	E.coli
Target Names	ACRV1
Expression Region	22-265aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	41.8kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

The expression region of this recombinant Human ACRV1 covers amino acids 22-265. The calculated molecular weight for this ACRV1 protein is 41.8 kDa. This protein is generated in a e.coli-based system. The N-terminal 6xHis-SUMO tag was fused into the coding gene segment of ACRV1, making it easier to detect and purify the ACRV1 recombinant protein in the later stages of expression and purification.

Acrosomal protein SP-10 (ACRV1) is primarily associated with research in the field of male reproduction. One of its most crucial research directions involves its function in germ cell development and sperm maturation processes. SP-10 is a key protein during sperm maturation, present in the acrosome of sperm, a structure critical in the fertilization process. Researchers focus on understanding the exact functions of SP-10 in sperm formation, motility, and fertilization to gain insights into its contributions to reproductive health. SP-10 is linked to issues with male fertility, including difficulties in achieving pregnancy and lower fertility rates. This has attracted significant attention in the fields of reproductive medicine and andrology research.

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

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