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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ACRV1 (Human) Recombinant Protein (P01)

Catalog Number: H00000056-P01

Regulation Status: For research use only (RUO)

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

Sequence:

MNRFLLLSLYLLGPARGTSSQPNELSGSIDHQTSVQ
QLPGEFFSLENPSDAEALYETSSGLNLTSEHGSSEHG
SSKHTVAEHTSGEHAESEHASGEPAAATEHAEGEHTV
GEQPSGEQPSGEHLSGEQPLSELESGEQPSDEQPSG
EHSGEQPSGEQASGEQPSGEHASGEQASGAPISST
STGTILNCYTCAYMNDQGKCLRGEGTCITQNSQQCML
KKIFEGGKLFMVQGCENMCPSPMNLFSHGTRMQIICC
RNQSFCNKI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 54.89

Interspecies Antigen Sequence: Mouse (62); Rat (61)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 56

Gene Symbol: ACRV1

Gene Alias: D11S4365, SP-10, SPACA2

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]