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Datasheet for ABIN1097565 ACRV1 Protein (AA 22-265) (His tag)

Overview

Quantity:	50 µg
Target:	ACRV1
Protein Characteristics:	AA 22-265
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACRV1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Acrosomal Protein SP-10/ACRV1 (C-6His)
Sequence:	QPNELSGSID HQTSVQQLPG EFFSLENPSD AEALYETSSG LNTLSEHGSS EHGSSKHTVA EHTSGEHAES EHASGEPAAT EHAEGEHTVG EQPSGEQPSG EHLSGEQPLS ELESGEQPSD EQPSGEHGSG EQPSGEQASG EQPSGEHASG EQASGAPISS TSTGTILNCY TCAYMNDQGK CLRGEGTCIT QNSQQCMLKK IFEGGKLQFM VQGCENMCPS MNLF SHGTRM QIICCRNQSF CNKIVDHHHH HH
Characteristics:	Recombinant Human Acrosomal Protein SP-10/ACRV1 produced by transfected human cells is a secreted protein with sequence (Gln22-Ile265) of Human ACRV1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ACRV1
Alternative Name:	sp-10 (ACRV1 Products)
Sub Type:	Fusionprotein
Background:	<p>Acrosomal Protein SP-10 is a testis-specific differentiation antigen that is associated with acrosomal membranes and matrix of mature sperm. It has been detected in several species including humans. Acrosomal Protein SP-10 may be involved in sperm-zona binding or penetration as a potential contraceptive vaccine immunogen for humans. ACRV1 is also an intra-acrosomal protein that is considered to be a vaccine candidate for immunocontraception.</p> <p>Alternative Names: Acrosomal Protein SP-10, Acrosomal Vesicle Protein 1, ACRV1</p>
Molecular Weight:	26.9 kDa
UniProt:	P26436

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months