

# Recombinant Human SP-10/ACRV1 Protein (His Tag)

Catalog Number: PKSH032033



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

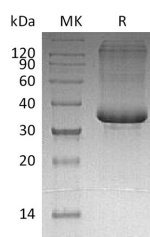
## Description

<b>Synonyms</b>	Acrosomal Protein SP-10; Acrosomal Vesicle Protein 1; ACRV1; D11S4365; SP-10; SPACA2
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln22-Ile265
<b>Accession</b>	P26436
<b>Calculated Molecular Weight</b>	26.9 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

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.

## For Research Use Only

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