



Recombinant Protein Technical Manual  
Recombinant Human SP0/ACRV1 Protein (His Tag)  
RPES1877

### Product Data:

**Product SKU:** RPES1877

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P26436

### Protein Information:

**Molecular Mass:** 26.9 kDa

**AP Molecular Mass:** 35 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Acrosomal Protein SP0; Acrosomal Vesicle Protein 1; ACRV1;D11S4365;SP0;SPACA2

## Immunogen Information:

**Sequence:** Gln22-Ile265

## Background:

Acrosomal Protein SP0 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 SP0 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.