

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

Catalog No. PKSH032033

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

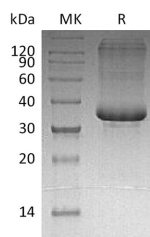
Description

Synonyms	Acrosomal Protein SP-10;Acrosomal Vesicle Protein 1;ACRV1;D11S4365;SP-10;SPACA2
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln22-Ile265
Accession	P26436
Calculated Molecular Weight	26.9 kDa
Observed molecular weight	35 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
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. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	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

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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.