9051 Mira Mesa Blvd, #910094
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CRISP1 Human

Cysteine-Rich Secretory Protein 1 Human Recombinant
RCP0526

Product Overview

Name	CRISP1 Human
Description	
Cysteine-Rich Secretory Protein 1 Human Recombinant	
Accession (Primary)	P54107
Synonyms	
Cysteine-rich secretory protein 1, ARP, CRISP-1, AEGL1, Acidic epididymal glycoprotein-like 1, HSCRISP1D, HSCRISP1G, HUMARP, AEG-like protein, cysteine-rich secretory protein-1 delta.	
Introduction	
Insemination involves of a series of specific cell-cell interactions concluding in the fusion of the sperm and egg plasma membranes. Recognition, binding, and fusion take place through the interface of complementary molecules which are localized to specific domains of the sperm and egg plasma membranes. In the sperm, the postacrosomal region or equatorial segment is involved in sperm-egg plasma membrane fusion. The protein encoded by this gene belongs to the cysteine-rich secretory protein (CRISP) family. CRISP1 is expressed in the epididymis, is secreted into the epididymal lumen, and binds to the postacrosomal region of the sperm head, where it takes part in sperm-egg fusion.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a 0.5mg/ml solution containing 20mM TRIS, 50mM NaCl, pH 7.5.	
Stability	
Lyophilized CRISP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CRISP1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS KKKSARDQFN KLVTDLPNVQ EEIVNIHNAL RRRVVPPASN MLKMSWSEEA AQNARIFSKY	

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CDMTESNPLE RRLPNTFCGE NMHMTSYPVS WSSVIGVWYS ESTSFKHGEW TTTDDDITTD HYTQIVWATS YLIGCAIASC RQQGSPRYLY VCHYCHEGND PETKNEPYKT GVPCEACPSN CEDKLCTNPC IYYDEYFDCD IQVHYLGCNH STTILFCKAT CLCDTEIK

Solubility

It is recommended to reconstitute the lyophilized CRISP1 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Applications

Western blotting, ELISA.

Precautions

CRISP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P54107)