

CRISP-1 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76292
Synonyms:	Cysteine-rich secretory protein 1; CRISP1; Sperm-coating glycoprotein 1; SCP 1; Aeg-1
Species:	Mouse
Source:	HEK293
Accession:	Q03401 (M1-H244)
Gene ID:	11571
Molecular Weight:	Approximately 52.4 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CRISP-1 protein is implicated in facilitating the functional maturation of spermatozoa during their transit from the testis to the ductus deferens. This suggests a crucial role for CRISP-1 in the intricate processes associated with sperm development and maturation. As these cells navigate through the reproductive tract, CRISP-1 is thought to play a pivotal role in promoting the necessary changes that contribute to the acquisition of functional capabilities by spermatozoa. The involvement of CRISP-1 underscores its significance in the complex regulatory network governing male reproductive physiology, emphasizing its potential impact on sperm functionality and fertility.
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Caution: Product has not been fully validated for medical applications. For research use only.

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