

CRISP-1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76293
Synonyms:	Cysteine-rich secretory protein 1; CRISP1; Sperm-coating glycoprotein 1; SCP 1; Aeg-1
Species:	Mouse
Source:	HEK293
Accession:	Q03401 (Q20-H244)
Gene ID:	11571
Molecular Weight:	Approximately 26 kDa

PROPERTIES

AA Sequence	<p> Q D S S Q E N R L E K L S T T K M S V Q E E I V S K H N Q L R R M V S P S G S D L L K M E W N Y D A Q V N A Q Q W A D K C T F S H S P I E L R T T N L R C G E N L F M S S Y L A S W S S A I Q G W Y N E Y K D L T Y D V G P K Q P D S V V G H Y T Q V V W N S T F Q V A C G V A E C P K N P L R Y Y Y V C H Y C P V G N Y Q G R L Y T P Y T A G E P C A S C P D H C E D G L C T N S C G H E D K Y T N C K Y L K K M L S C E H E L L K K G C K A T C L C E G K I H </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm 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/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/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	<p>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.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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