

SP-17 Protein, Mouse (His)

Cat. No.:	HY-P701070
Synonyms:	Sperm surface protein Sp17; CT22; Sp17-1; Sperm protein 17; SPA17;
Species:	Mouse
Source:	E. coli
Accession:	Q62252 (M1-N149)
Gene ID:	20686
Molecular Weight:	20-25 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μ m filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The SP-17 protein serves as a sperm surface zona pellucida binding protein, facilitating the high-affinity binding of spermatozoa to the zona pellucida. Its potential role includes participation in the binding interactions with zona pellucida and carbohydrates. Existing as a homodimer, SP-17 may also engage in interactions with ROPN1, indicating a possible cooperative role in the processes related to sperm-egg interactions and fertilization.
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Caution: Product has not been fully validated for medical applications. For research use only.

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