

SP-17 Protein, Human (His)

Cat. No.:	HY-P701069
Synonyms:	Sperm surface protein Sp17; CT22; Sp17-1; Sperm protein 17; SPA17;
Species:	Human
Source:	E. coli
Accession:	Q15506 (M1-K151)
Gene ID:	53340
Molecular Weight:	20-28 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μ m filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
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	SP-17 protein serves as a crucial sperm surface binding protein, facilitating the high-affinity attachment of spermatozoa to the zona pellucida. Its role suggests involvement in the binding of zona pellucida and carbohydrates, emphasizing its significance in the fertilization process. The protein exists in a homodimeric form and may potentially interact with ROPN1, contributing to the intricate molecular interactions essential for successful sperm-egg binding during fertilization.
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Caution: Product has not been fully validated for medical applications. For research use only.

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