
Product Data Sheet

Product Name: SPA17 Human
 Cat. No.: GP24677
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CT22; SP17; SP17-1; Sperm surface protein Sp17; Cancer/testis antigen 22; Sperm autoantigenic protein 17; Sperm protein 17; SPA17.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSIPFSN THYRIPQGFG NLLEGLTREI LREQPDNIPA FAAAYFESLL EKREKTNFDP AEWGSKVEDR FYNNHAFEEQ EPPEKSDPKQ EESQISGKEE ETSVTILDSS EEDKEKEEVA AVKIQAAFRRG HIAREEAKKM KTNSLQNEEK EENK.		
Formulation	The SPA17 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

SPA17 is a protein present at the cell surface. SPA17 was characterized by its participation in the binding of sperm to the zona pellucida of the oocyte. The central portion of SPA17 has carbohydrate binding motifs and likely takes part in cell-cell adhesion functions such as immune cell migration and metastasis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SPA17 Human Recombinant produced in E. coli is a single polypeptide chain containing 174 amino acids (1-151) and having a molecular mass of 19.8kDa. SPA17 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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