HUMAN SPA17 PROTEIN, HIS TAG

Cat.#: 11880

Product Name: Human SPA17 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CT22;SP17;SP17-1

Target: SPA17

UNIPROT ID: Q15506

Description: Recombinant Human SPA17 Protein with C-terminal 6xHis tag

Background: This gene encodes a protein present at the cell surface. The N-terminus has sequence similarity to human cAMP-dependent protein kinase A (PKA) type II alpha regulatory subunit (RIIa) while the C-terminus has an IQ calmodulin-binding motif. The central portion of the protein has carbohydrate binding motifs and likely functions in cell-cell adhesion. The protein was initially characterized by its involvement in the binding of sperm to the zona pellucida of the oocyte. Recent studies indicate that it is also involved in additional cell-cell adhesion functions such as immune cell migration and metastasis. A retrotransposed pseudogene is present on chromosome 10q22.[provided by RefSeq, Jan 2009]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 18.2 kDa after removal of the signal peptide. The apparent molecular mass of SPA17-His is approximately 15-25 kDa due to glycosylation.

Molecular Characterization: SPA17(Met1-Lys151) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

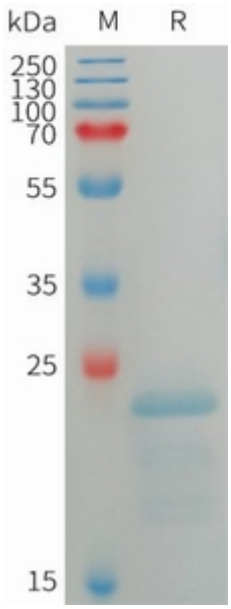

Figure 1. Human SPA17 Protein, His Tag on SDS-PAGE under reducing condition.