



# Recombinant Protein Technical Manual

**Recombinant Human CRISP3/SGP28 Protein (His Tag)**  
RPES1859

## Product Data:

**Product SKU:** RPES1859

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P54108

## Protein Information:

**Molecular Mass:** 26.5 kDa

**AP Molecular Mass:** 28 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Cysteine-Rich Secretory Protein 3; CRISP-3; Specific Granule Protein of 28 kDa; SGP28; CRISP3

## Immunogen Information:

**Sequence:** Asn21-Tyr245

## Background:

Cysteine-rich secretory protein 3 (CRISP-3) is a secreted protein, containing 1 SCP domain and 1 ShKT domain. It belongs to the CRISP family. CRISP-3 is a glycoprotein that belongs to the family of cysteine-rich secretory proteins (CRISPs) which was originally discovered in human neutrophilic granulocytes. CRISP-3 is also widely distributed in exocrine glands (salivary glands, pancreas and prostate), eosinophilic granulocytes and to a lower level in epididymis, ovary, thymus and colon. The presence of CRISP-3 in neutrophils, eosinophils and in exocrine secretions indicates a role in innate host defense. The antibody has been raised against recombinant C-terminally truncated form of CRISP-3 and recognizes both the N-glycosylated and non-glycosylated form of the mature protein.