

Recombinant Human CRISP3 protein, His & T7-tagged

Cat. No. CRISP3-1443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRISP3 aa. (Asn21~Ser243 (Accession # P54108) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn21~Ser243
Description	This gene encodes a member of the cysteine-rich secretory protein (CRISP) family within the CRISP, antigen 5 and pathogenesis-related 1 proteins superfamily. The encoded protein has an N-terminal CRISP, antigen 5 and pathogenesis-related 1 proteins domain, a hinge region, and a C-terminal ion channel regulator domain. This protein contains cysteine residues, located in both the N- and C-terminal domains, that form eight disulfide bonds, a distinguishing characteristic of this family. This gene is expressed in the male reproductive tract where it plays a role in sperm function and fertilization, and the female reproductive tract where it plays a role in endometrial receptivity for embryo implantation. This gene is upregulated in certain types of prostate cancer. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 8.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CRISP3 cysteine rich secretory protein 3 [Homo sapiens (human)]
Official Symbol	CRISP3
Synonyms	CRISP3; cysteine rich secretory protein 3; Aeg2; CRS3; SGP28; CRISP-3; dJ442L6.3; cysteine-rich secretory protein 3; specific granule protein (28 kDa)
Gene ID	10321

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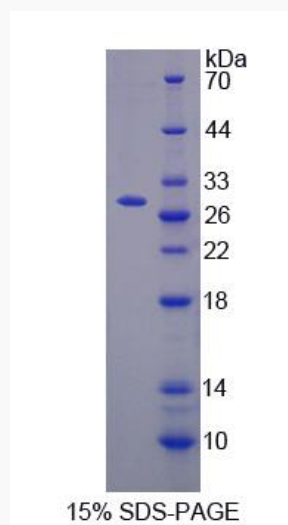
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mRNA Refseq [NM_001190986.2](#)

Protein Refseq [NP_001177915.1](#)

UniProt ID [P54108](#)

SDS-PAGE



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