

Active Recombinant Mouse Cysteine-Rich Secretory Protein 3, His-tagged

Cat. No. Crisp3-5611M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crisp3protein was expressed in Murine myeloma cell line with a C-terminal 6-Histag. Gln20-Cys241.
Species	Mouse
Source	Mammalian Cells
ProteinLength	20-241 a.a.
Description	Crisp3 is one of three CRISPs found in mammalian exocrine secretions and granulocytes that may play a role in innate immunity. CRISPs and several snake, insect, and lizard venom proteins are characterized by 16 invariant cysteine residues. Structurally, they consist of an N-terminal SCP domain, a hinge region, and a cysteine-rich domain. Human Crisp3 is produced by salivary, pancreas, prostate, and lacrimal glands, as well as spermatozoa and mature spermatids.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminalSequence	Gln20 predicted (N-sequencing might be blocked)
Molecular Weight	26 kDa
Activity	Measured by its ability to inhibit proliferation/survival of 3A-sub E human placenta cells. The ED50 for this effect is typically 1.3-5.2 µg/mL.

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Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	30-40kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 250 µg/mL in PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Crisp3 cysteine-rich secretory protein 3 [Mus musculus]
Official Symbol	Crisp3
Synonyms	Crisp3; cysteine-rich secretory protein 3; Aeg2; CRS3; SGP28; CRISP-3; SCP 2; Aeg-2; sperm-coating glycoprotein 2; acidic epididymal glycoprotein 2
Gene ID	11572
mRNA Refseq	NM_009639
Protein Refseq	NP_033769
UniProt ID	Q03402
Chromosome	17 B2; 17 21.0 cM

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