

Recombinant Human CRISP2, His-tagged

Cat. No. CRISP2-7683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CysteineRich Secretory Protein 2/CRISP2 is produced with our mammalian cells expression system in HEK293. The target protein is expressed with sequence (Lys22Tyr243) of Human CRISP2 fused with a polyhistidine tag at the Cterminus.
Species	Human
Source	HEK293
Description	CysteineRich Secretory Protein 2 (CRISP2) is a member of the CRISP subdivision of the CAP superfamily, which is defined by a CAP signature motif common to the entire superfamily, and has been localized to both the sperm acrosome and tail. Within mammals, four CRISPs have been defined: CRISP1 (acidic epididymal glycoprotein [AEG], proteins D and E), CRISP2 (TPX1), CRISP3, and CRISP4. All are strongly expressed within the male reproductive tract, suggesting key roles in male fertility. CRISP2 may regulate some ion channels" activity and thereby regulate calcium fluxes during sperm capacitation.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, 0.5% CHAPS, pH 7.4
AA Sequence	KDPAFTALLT TQLQVQREIV NKHNELRKAV SPPASNMLKM EWSREVTTNA QRWANKCTLQ HSDPEDRKT STRCGENLYM SSDPTSWSSA IQSWYDEILD FVYGVGPKSP NAVVGHYTQL V WYSTYQVG CGIAYCPNQD SLKYYYVCQY

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CPAGNNMNRK NTPYQQGTPC AGCPDDCDKG LC TNSCQYQ DLLSNCDSLK
NTAGCEHELL KEKCKATCLC ENKIYVDHHH HHH*

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Notes For research use only.

Storage Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C. for 2-7 days. Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name [CRISP2 cysteine-rich secretory protein 2 \[Homo sapiens \]](#)

Official Symbol CRISP2

Synonyms CRISP2; cysteine-rich secretory protein 2; GAPDL5, testis specific protein 1 (probe H4 1 p3 1) , TPX1; cancer/testis antigen 36; CRISP 2; CT36; testis-specific protein TPX-1; testis specific protein 1 (probe H4-1 p3-1); glyceraldehyde-3-phosphate dehydrogenase-like 5; TPX1; TSP1; GAPDL5; CRISP-2; MGC111136;

Gene ID [7180](#)

mRNA Refseq [NM_001142407](#)

Protein Refseq [NP_001135879](#)

MIM [187430](#)

UniProt ID [P16562](#)

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Chromosome	6p12.3
Location	