

Recombinant Full Length Human CRISP1 Protein, GST-tagged

Cat. No. CRISP1-2061HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRISP1 full-length ORF (NP_001122.2, 1 a.a. - 249 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	249 amino acids
Description	Fertilization consists of a sequence of specific cell-cell interactions culminating in the fusion of the sperm and egg plasma membranes. Recognition, binding, and fusion occur through the interaction of complementary molecules that are localized to specific domains of the sperm and egg plasma membranes. In the sperm, the postacrosomal region or equatorial segment is involved in sperm-egg plasma membrane fusion. The protein encoded by this gene is a member of the cysteine-rich secretory protein (CRISP) family. It is expressed in the epididymis, is secreted into the epididymal lumen, and binds to the postacrosomal region of the sperm head, where it plays a role in sperm-egg fusion. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]
Molecular Mass	54.9 kDa
AA Sequence	MEIKHLLFLVAAACLLPMLSMKKKSARDQFNKLVTDLPNVQEEIVNIHNALRRRVVPP ASNMLKMSWSEEAQNAIRIFSKYCDMTESNPLERRLPNTFCGENMHMTSYPVSW SVIGVWYSESTSFKHGEWTTTDDDDITTDHYTQIVWATSYLIGCAIASCRQQGSPRYL

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	YVCHYCHEGNDPETHKNEPYKTGVPCEACPSNCKLCTNPCIIYYDEYFDCDIQVHY LGCNHSTTILFCKATCLCDTEIK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CRISP1 cysteine-rich secretory protein 1 [Homo sapiens]
Official Symbol	CRISP1
Synonyms	CRISP1; cysteine-rich secretory protein 1; acidic epididymal glycoprotein like 1 , AEGL1; ARP; CRISP 1; HSCRISP1D; HSCRISP1G; HUMARP; AEG-like protein; AEG-related protein; acidic epididymal glycoprotein-like 1; acidic epididymal glycoprotein homolog; cysteine-rich secretory protein-1 delta; AEGL1; CRISP-1
Gene ID	167
mRNA Refseq	NM_001131
Protein Refseq	NP_001122

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MIM	601193
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UniProt ID	P54107
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