

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 SVIGVWYSESTSFKHGEWTTTDDDITTDHYTQIVWATSYLIGCAIASCRQQGSPRYL

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YVCHYCHEGNDPETHKNEPYKTGVPCEACPSNCEDKLCTNPCIYYDEYFDCDIQVHY
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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