

# Recombinant Full Length Human CRTAC1 Protein, GST-tagged

**Cat. No.** CRTAC1-2111HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CRTAC1 full-length ORF ( AAH34245.1, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	451 amino acids
<b>Description</b>	This gene encodes a glycosylated extracellular matrix protein that is found in the interterritorial matrix of articular deep zone cartilage. This protein is used as a marker to distinguish chondrocytes from osteoblasts and mesenchymal stem cells in culture. The presence of FG-GAP motifs and an RGD integrin-binding motif suggests that this protein may be involved in cell-cell or cell-matrix interactions. Copy number alterations in this gene have been observed in neurofibromatosis type 1-associated glomus tumors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]
<b>Molecular Mass</b>	74.7 kDa
<b>AA Sequence</b>	MDPEASDLRSGILALRDVAAEAGVSKYTGGRGVSVGPILSSSASDIFCDNENGNPFL FHNRGDGTFFVDAASAGVDDPHQHGRGVALADFNDRDGKVDIVYGNWNGPHRLYL QMSTHGKVRFRDIASPKFSMPSPVRTVITADFDNDQELEIFFNNIAYRSSSANRLFRV IRREHGDPLIEELNPGDALEPEGRGTGGVVTDFDGDGMLDLILSHGESMAQPLSVFR GNQGFNNWLRVVPRTFRFGAFARGAKVVLYTKKSGAHLRIIDGGSGYLCEMEPVAH

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FGLGKDEASSVEVTWPDGKMVSRNVASGEMNSVLEILYPRDEDTLQDPAPLECGQ  
 GFSQQENGHCMMDTNECIQFPFVCPDRDKPVCVNTYGSYRCRTNKKCSRGYEPNED  
 GTACVGTLGQSPGPRPTTPTAAAATAAAAAAAGAATAAPVLVDGDLNLGSSVVKESC  
 EPSC

**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** [CRTAC1 cartilage acidic protein 1 \[ Homo sapiens \]](#)

**Official Symbol** [CRTAC1](#)

**Synonyms** CRTAC1; cartilage acidic protein 1; ASPIC1; CEP 68; FLJ10320; acidic secreted protein in cartilage; chondrocyte expressed protein 68 kDa CEP-68; ASPIC; CEP-68

**Gene ID** [55118](#)

**mRNA Refseq** [NM\\_001206528](#)

**Protein Refseq** [NP\\_001193457](#)

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<b>MIM</b>	606276
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<b>UniProt ID</b>	Q9NQ79
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