

Recombinant Full Length Human CRTAC1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human CRTAC1 full-length ORF (AAH34245.1, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	451 amino acids
Description	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]
Molecular Mass	74.7 kDa
AA Sequence	MDPEASDLSRGILALRDVAAEAGVSKYTGGRGVSVGPILSSSASDIFCDNENGNPFL FHNRGDGTFTVDAASAGVDDPHQHGRGVALADFNRDGKVDIVYGNWNGPHRLYL QMSTHGKVRFRDIASPKFSMPSPVRTVITADFDNDQELEIFFNNIAYRSSANRLFRV IRREHGDPLIEELNPGDALEPEGRGTGGVVTDFDGDGMLDLILSHGESMAQPLSVFR GNQGFNNNWLRVVPRTFRFGAFARGAKVVLYTKKSGAHLRIIDGGSGYLCEMEPAVAH

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FGLGKDEASSVEVTWPDGKMVSRNVASGEMNSVLEILYPRDEDTLQDPAPLECGQ
GFSQQENGHCMDTNECIQFPFVCPRDKPVCVNTYGSYRCRTNKKCSRGYEPNED
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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MIM	606276
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UniProt ID	Q9NQ79
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