

## Recombinant Human CRTAC1, GST-tagged

Cat. No. CRTAC1-11590H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CRTAC1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** C-term-353a.a.

**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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	CRTAC1 cartilage acidic protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	CRTAC1
<b>Synonyms</b>	CRTAC1; cartilage acidic protein 1; ASPIC1; CEP 68; FLJ10320; acidic secreted protein in cartilage; chondrocyte expressed protein 68 kDa CEP-68; ASPIC; CEP-68;
<b>Gene ID</b>	55118
<b>mRNA Refseq</b>	NM_001206528
<b>Protein Refseq</b>	NP_001193457
<b>MIM</b>	606276
<b>UniProt ID</b>	Q9NQ79
<b>Chromosome Location</b>	10q22
<b>Function</b>	calcium ion binding;

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