

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
MIM	606276
UniProt ID	Q9NQ79
Chromosome Location	10q22
Function	calcium ion binding;

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