Recombinant Human CRTAC1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CRTAC1-239H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CRTAC1 MS Standard C13 and N15-labeled recombinant protein (NP_060528) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	71.2 kDa
AA Sequence	MAPSADPGMSRMLPFLLLLWFLPITEGSQRAEPMFTAVTNSVLPPDYDSNPTQLNY GVAVTDVDHDGDFEIVVAGYNGPNLVLKYDRAQKRLVNIAVDERSSPYYALRDRQG NAIGVTACDIDGDGREEIYFLNTNNAFSGVATYTDKLFKFRNNRWEDILSDEVNVAR GVASLFAGRSVACVDRKGSGRYSIYIANYAYGNVGPDALIEMDPEASDLSRGILALR DVAAEAGVSKYTGGRGVSVGPILSSSASDIFCDNENGPNFLFHNRGDGTFVDAAAS

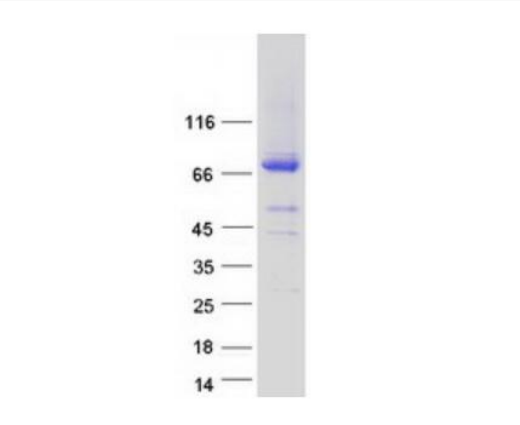
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	AGVDDPHQHGRGVALADFNRDGKVDIVYGNWNGPHRLYLQMSTHGKVRFRDIASP KFSMPSPVRTVITADFDNDQELEIFFNNIAYRSSSANRLFRVIRREHGDPLIEELNPGD ALEPEGRGTGGVVTDFDGDGMLDLILSHGESMAQPLSVFRGNQGFNNNWLRVVPR TRFGAFARGAKVVLYTKKSGAHLRIIDGGSGYLCEMEPVAHFGLGKDEASSVEVTW PDGKMVSRNVASGEMNSVLEILYPRDEDTLQDPAPLECGQGFSQQENGHCMDTNE CIQFPFVCPRDKPVCVNTYGSYRCRTNKKCSRGYEPNEDGTACVGTLGQSPGPRP TTPTAAAATAAAAAAAGAATAAPVLVDGDLNLGSVVKESCEPSCTRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CRTAC1 cartilage acidic protein 1 [Homo sapiens (human)]
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

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mRNA Refseq	NM_018058
Protein Refseq	NP_060528
MIM	606276
UniProt ID	Q9NQ79
SDS-PAGE	

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