

Recombinant Full Length Human CRTAC1 Protein, His Tagged

Cat. No. CRTAC1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CRTAC1 Protein (28-661 aa) with His Tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	28-661 aa
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.
Molecular Mass	70 kDa
AA Sequence	SQRAEPMFTAVTNSVLPPDYDSNPTQLNYGVAVTDVDHGDGFEIVVAGYNGPNLVL KYDRAQKRLVNIADVDERSSPYALRDRQGNAIGVTACDIDGDGREEIYFLNTNNAFS GVATYTDKLFKFRNNRWEDILSDEVNVARGVASLFAGRSVACVDRKGSGRYSIYIAN YAYGNVGPDALIEMDPEASDLRGILALRDVAEAGVSKYTGGRGVSVGPILSSSAS DIFCDNENGNFLFHNRRGDGTFVDAAASAGVDDPHQHGRGVALADFNRDGKVDIV YGNWNGPHRLYLQMSTHGKVRFRDIASPKFSMPSPVRTVITADFDNDQELEIFFNNI

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AYRSSSANRLFRVIRREHGDPLIEELNPGDALEPEGRGTGGVVTDFDGDGMLDLILS
 HGESMAQPLSVFRGNQGFNNNWLVRVPRTRFGAFARGAKVVLYTKKSGAHLRIIDG
 GSGYLCEMEPVAHFGLGKDEASSVEVTWPDGKMVSRNVASGEMNSVLEILYPRDE
 DTLQDPAPLECGQGFSQQENGHCMDTNECIQFPFVCPRDKPVCVNTYGSYRCRTN
 KKCSRGYEPNEDGTACVGTLGQSPGPRPTTPTAAAATAAAAAAGAATAAPVLVDG
 DLNLGSSVVKESCEPSCHHHHHHHH

Endotoxin < 1 EU/μg by LAL.

Purity > 90 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 0.66 mg/mL by BCA

GENE INFORMATION

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

Official Symbol CRTAC1

Synonyms CRTAC1; cartilage acidic protein 1; ASPIC; CEP68; LOTUS; ASPIC1; CEP-68; cartilage acidic protein 1; acidic secreted protein in cartilage; chondrocyte expressed protein 68 kDa CEP-68

Gene ID 55118

mRNA Refseq NM_018058

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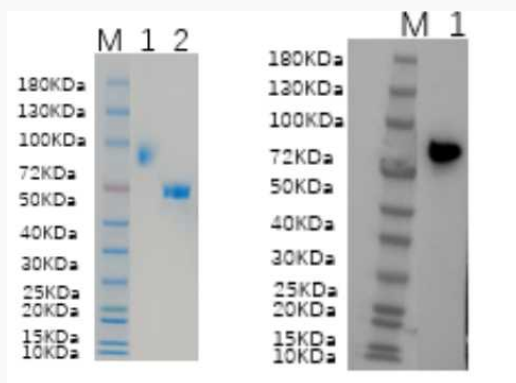
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Protein Refseq NP_060528

MIM 606276

UniProt ID Q9NQ79

Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
CRTAC1.



1. CRTAC1: 1 µg

2. BSA: 1 µg

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