

# Recombinant Full Length Human CRTAP Protein, GST-tagged

**Cat. No.** CRTAP-2121HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CRTAP full-length ORF (BAG53502.1, 1 a.a. - 262 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 262 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is similar to the chicken and mouse CRTAP genes. The encoded protein is a scaffolding protein that may influence the activity of at least one member of the cytohesin/ARNO family in response to specific cellular stimuli. Defects in this gene are associated with osteogenesis imperfecta, a connective tissue disorder characterized by bone fragility and low bone mass. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 56.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MEPGRRGAAALLALLCVACALRAGRAQYERYSFERSFPRDELMPLESAYRHALDKYS<br>GEHWAESVGYLEISLRLHRLLRDSEAFCHRNCSAAPQPEPAAGLASYPELRLFGGLL<br>RRAHCLKRCKQGLPAFRQSQPSREVLADFQRREPYKFLQFAYFKANNLPKAIAAAH<br>TFLLKHPDDEMMKRNMAYYKSLPGAEDYLKTWKPSHMKACSSSEQCGHTTVRTGEH<br>PSQTWSWPFPTSSKPFTSVSQPARVPGRSRTSRISTFP                                                                                                                                                      |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
|                       | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.     |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.   |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |

## GENE INFORMATION

|                        |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CRTAP cartilage associated protein [ Homo sapiens ]                                                                     |
| <b>Official Symbol</b> | CRTAP                                                                                                                   |
| <b>Synonyms</b>        | CRTAP; cartilage associated protein; cartilage-associated protein; CASP; leprecan like 3; LEPREL3; leprecan-like 3; OI7 |
| <b>Gene ID</b>         | 10491                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_006371                                                                                                               |
| <b>Protein Refseq</b>  | NP_006362                                                                                                               |
| <b>MIM</b>             | 605497                                                                                                                  |
| <b>UniProt ID</b>      | O75718                                                                                                                  |

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