

# Recombinant Human CRTAP Protein, GST-tagged

**Cat. No.** CRTAP-1914H    **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>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | <p>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]</p> |
| <b>Molecular Mass</b>   | 56.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MEPGRRGAAALLALLCVACALRAGRAQYERYSFERSFPRDELMPLESAYRHALDKYS<br>GEHWAESVGYLEISLRLHRLLRDSEAFCHRNCSAAPQPEPAAGLASYPELRLFGGLL<br>RRAHCLKRCKQGLPAFRQSQPSREVLADFQRREPYKFLQFAYFKANNLPKAIAAAH<br>TFLLKHPDDEM MKRN MAYYKSLPGAEDYLKTWKPSHMKACSSEQCGHTTVRTGEH<br>PSQTWSWPFPTSSKPFTSVSQPARVPGRSRTSRISTFP                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                                                                                                     |

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### 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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