

## Recombinant Human CRT3 protein, GST-tagged

**Cat. No.** CRT3-32H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CRT3(176 a.a. - 274 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 176-274 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene is a member of the CREB regulated transcription coactivator gene family. This family regulates CREB-dependent gene transcription in a phosphorylation-independent manner and may be selective for cAMP-responsive genes. The protein encoded by this gene may induce mitochondrial biogenesis and attenuate catecholamine signaling in adipose tissue. A translocation event between this gene and Notch coactivator mastermind-like gene 2, which results in a fusion protein, has been reported in mucoepidermoid carcinomas. Alternative splicing results in multiple transcript variants that encode different protein isoforms. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 36.63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | QDPYGGGGQSAWPAPYMGFCDGENNGHGEVASFPGPLKEENLLNVPKPLPKQLW<br>ETKEIQSLSGRPRSCDVGGGN AFPHNGQNLGLSPFLGTLNTGGSL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|---------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; 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.                                    |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CRTC3 CREB regulated transcription coactivator 3 [ Homo sapiens ]                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>     | CRTC3                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>            | CRTC3; CREB regulated transcription coactivator 3; CREB-regulated transcription coactivator 3; FLJ21868; TORC-3; transducer of CREB protein 3; transducer of regulated CREB protein 3; transducer of regulated cAMP response element-binding protein 3; transducer of regulated cAMP response element-binding protein (CREB) 3; TORC3; |
| <b>Gene ID</b>             | 64784                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_022769                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_073606                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | 608986                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | Q6UUV7                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 15q26.1                                                                                                                                                                                                                                                                                                                                |

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|-----------------|---------------------------------------------------------------------------------------|
| <b>Pathway</b>  | HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; |
| <b>Function</b> | cAMP response element binding protein binding;                                        |

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