

## Recombinant Human CRT3 protein, GST-tagged

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

### SPECIFICATION

**Product Overview** Recombinant Human CRT3(176 a.a. - 274 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.

**Species** Human

**Source** Wheat Germ

**ProteinLength** 176-274 a.a.

**Description** 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.

**Form** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Molecular Mass** 36.63 kDa

**AA Sequence** QDPYGGGGQSAWPAPYMGFCDGENNGHGEVASFPGPLKEENLLNVPKPLPKQLW  
ETKEIQSLSGRPRSCDVGGGN AFPHNGQNLGLSPFLGTLNTGGSL

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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.
<b>GENE INFORMATION</b>	
<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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