

Recombinant Full Length Human CRTC2 Protein, GST-tagged

Cat. No. CRTC2-2123HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CRTC2 full-length ORF (NP_859066.1, 1 a.a. - 693 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	693 amino acids
Description	<p>This gene encodes a member of the transducers of regulated cAMP response element-binding protein activity family of transcription coactivators. These proteins promote the transcription of genes targeted by the cAMP response element-binding protein, and therefore play an important role in many cellular processes. Under basal conditions the encoded protein is phosphorylated by AMP-activated protein kinase or the salt-inducible kinases and is sequestered in the cytoplasm. Upon activation by elevated cAMP or calcium, the encoded protein translocates to the nucleus and increases target gene expression. Single nucleotide polymorphisms in this gene may increase the risk of type 2 diabetes. A pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2010]</p>
Molecular Mass	99.7 kDa
AA Sequence	<p>MATSGANGPGSATASASNPRKFSEKIALQKQRQAEETAAFEEVMMDIGSTRLLQAQK LRLAYTRSSHYGGSLPNVNQIGSGLAEFQSPLHSPLDSSRSTRHHGLVERVQRDPR RMVSP LRRYTRHIDSSPYSPAYLSPPESSWRRTMAWGNFPAEKGLFRLPSALN</p>

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RTSSDSALHTSVMNPSQDTPGTPPSILPSRRGGILDGEMDPKVPAIEENLLDDK
 HLLKPWDAKKLSSSSSRPRSCEVPGINIFPSPDQAPANVPVLPAMNTGGSLPDLTNL
 HFPPPLPTPLDPEETAYPSLSGGNSTSNLHTMTHLGISRGMGLGPGYDAPGLHSP
 LSHPSLQSSLSNPNLQASLSSPQQLQGSHSHPSLPASSLARHVLPTTSLGHPSLSA
 PALSSSSSSSTSSPVLGAPSYASTPGASPHHRRVPLSPLSLLAGPADARRSQQQ
 LPKQFSPTMSPTLSSITQGVPLDTSKLDQRLPPYPYSSPSLVLPHTPKSLQQ
 PGLPSQSCSVQSSGGQPPGRQSHYGTYPYPPGSPGHGQQSYHRPMSDFNLGNLEQ
 FSMESPSASLVLDPPGFSEGGFLGEGPMGGPQDPHTFNHQLNTHCSRHGSGP
 NIILTGDSSPGFSKEIAAALAGVPGFEVSAAGLELGLGLEDELMEPLGLEGLNMLSD
 PCALLPDPAVEESFRSDRLQ

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

GENE INFORMATION

Gene Name	CRTC2 CREB regulated transcription coactivator 2 [Homo sapiens]
Official Symbol	CRTC2
Synonyms	CRTC2; CREB regulated transcription coactivator 2; CREB-regulated transcription coactivator 2; TORC2; transducer of regulated cAMP response element-binding protein (CREB) 2; TORC-2

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Gene ID	200186
mRNA Refseq	NM_181715
Protein Refseq	NP_859066
MIM	608972
UniProt ID	Q53ET0

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