

Recombinant Human CRTC2 Protein, GST-tagged

Cat. No. CRTC2-1918H **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	Wheat Germ
Description	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]
Molecular Mass	99.7 kDa
AA Sequence	MATSGANGPGSATASASNPRKFSEKIALQKQRQAEETAAFEEVMMDIGSTRLQAQK LRLAYTRSSHYGGSLPNVNQIGSGLAEFQSPLHSPLDSSRSTRHHGLVERVQRDPR RMVSPLRRYTRHIDSSPYSPAYLSPPPESSWRRTMAWGNFPAEKGQLFRLPSALN RTSSDSALHTSVMNPSPQDTYPGPTPPSILPSRRGGILDGEMDPKVPAlEENLLDDK

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HLLKPWDAKKLSSSSSRPRSCVPGINIFSPDQPANVPVLPPAMNTGGSLPDLTNL
 HFPPPLPTPLDPEETAYPSLSGGNSTSNLTHMTHLGISRGMGLGPGYDAPGLHSP
 LSHPSLQSSLSNPNLQASLSSPQPQLQGSHSHPSLPASSLARHVLPTTSLGHPSLSA
 PALSSSSSSSTSSPVLGAPSYASTPGASPHHRRVPLSPLSLLAGPADARRSQQQ
 LPKQFSPTMSPTLSSITQGVPLDTSKLSTDQRLPPYPYSSPSLVLPQTQHTPKSLQQ
 PGLPSQSCSVQSSGGQPPGRQSHYGTYPYPPGPSGHGQQSYHRPMSDFNLGNLEQ
 FSMESPSASLVLDPPGFSEGPGLGEGPMGGPQDPHTFNHQNLTCSRHGSGP
 NIILTDSSPGFSKEIAAALAGVPGFEVSAAGLELGLGLEDELMEPLGLEGLNMLSD
 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

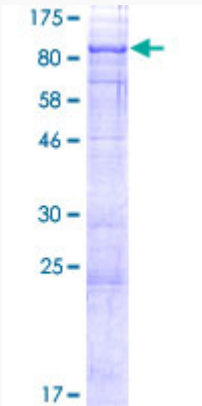
Synonyms

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
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.