

Recombinant Human CRTC2, GST-tagged

Cat. No. CRTC2-11594H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CRTC2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength C-term-300a.a.

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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol

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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;
Gene ID	200186
mRNA Refseq	NM_181715
Protein Refseq	NP_859066
MIM	608972
UniProt ID	Q53ET0
Chromosome Location	1q21.3
Pathway	AMPK signaling, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; LKB1 signaling events, organism-specific biosystem;
Function	cAMP response element binding protein binding;

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