

Recombinant Human CRTC2 Protein, GST-tagged

Cat. No. CRTC2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRTC2 Protein, fused to GST-tag, was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	50mM Tris, 20mM NaCl, pH 8.0.
Molecular Mass	105 kDa
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMAIIRYIADKHNMMLGGCPKERAISMLEGAVLDIRYGVSR IAYSKDFE TLKVDFLSKLP EMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDGSTSGSGHH

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HHHSAGLVPRGSTAIGMKETAAAKFERQHMDSPDLGTGGGSGDDDDKSPMATS
 GANGPGSATASASNPRKFSEKIALQKQRQAEETAAFEEVMMDIGSTRQAQKLRLA
 YTRSSHYGGSLPNVNQIGSGLAEFQSPLHSPLDSSRSTRHHGLVERVQRDPRRMV
 SPLRRYTRHIDSSPYSPAYLSPPPESSWRRTMAWGNFPAEKGQLFRLPSALNRTSS
 DSALHTSVMNPSPQDTYPGPTPPSILPSRRGGILDGEMDPKVAIEENLLDDKHLLK
 PWDAKKLSSSSSRPRSCEVPGINIFSPDQPANVPVLPPAMNTGGSLPDLTNLHFPP
 PLPTPLDPEETAYPSLSGGNSTSNLTHTMTHLGISRGMGLPGYDAPGLHSPLSHP
 SLQSSLSNPNLQASLSSPQPQLQGSHSHPSLPASSLARHVLPTTSLGHPSLSAPALS
 SSSSSSTSSPVLGAPSYASTPGASPHHRRVPLSPLSLLAGPADARRSQQQLPKQ
 FSPTMSPTLSSITQGVPLDTSKLSTDQRLPPYPYSSPSLVLPQTQPHTPKSLQQPGLP
 SQSCSVQSSGGQPPGRQSHYGTYPYPPGPSGHGQQSYHRPMSDFNLGNLEQFSM
 ESPSASLVLDPPGFSEGPGLGGEGPMGGPQDPHTFNHQNLTCHSRHGSGPNIILT
 GDSSPGFSKEIAAALAGVPGFEVSAAGLELGLGLEDELMEPLGLEGLNMLSDPCAL
 LPDPAVEESFRSDRLQ

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.155 mg/mL

GENE INFORMATION

Gene Name [CRTC2 CREB regulated transcription coactivator 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [CRTC2](#)

Synonyms TORC2; TORC-2

Gene ID [200186](#)

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mRNA Refseq	NM_181715.3
Protein Refseq	NP_859066.1
MIM	608972
UniProt ID	Q53ET0

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