

Recombinant Human CRTC2 Protein, GST tagged

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

SPECIFICATION

Product Overview	Recombinant Human CRTC2 Protein with 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.
Molecular Mass	105 kDa
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMARIYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRIAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDGSTSGSGHH HHHHSAGLVPRGSTAIGMKETAATAKFERQHMDSPDLGTGGGSGDDDDKSPMATS

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GANGPGSATASASNPRKFSEKIALQKQRQAEETAAFEEVMMDIGSTRLQAQKLRLA
YTRSSHYGGSLPNVNQIGSGLAEFQSPLHSPLDSSRSTRHHGLVERVQRDPRRMV
SPLRRYTRHIDSSPYSPAYLSPPPESSWRRTMAWGNFPAEKGQLFRLPSALNRTSS
DSALHTSVMNPSPQDTPGPTPPSILPSRRGGILDGEMDPKVPAlEENLLDDKHLLK
PWDAKKLSSSSSRPRSCEVPGINIFSPDQPANVPVLPPAMNTGGSLPDLTNLHFPP
PLPTPLDPEETAYPSLSGGNSTSNLTHMTHLGISRGMGLPGYDAPGLHSPLSHP
SLQSSLSNPNLQASLSSPQPQLQGSHSHPSLPASSLARHVLPTTSLGHPSLSAPALS
SSSSSSSTSSPVLGAPSYASTPGASPHHRRVPLSPLSLLAGPADARRSQQQLPKQ
FSPTMSPTLSSITQGVPLDTSKLSTDQRLPPYPYSSPSLVLPHTPKSLQQPGLP
SQSCSVQSSGGQPPGRQSHYGTYPYPPGPSGHGQQSYHRPMSDFNLGNLEQFSM
ESPSASLVLDPPGFSEGPGLGGEGPMGGPQDPHTFNHQNLTCSRHGSGPNIILT
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

Storage Buffer 50mM Tris, 20mM NaCl, pH 8.0

GENE INFORMATION

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

Official Symbol CRTC2

Synonyms CRTC2; CREB regulated transcription coactivator 2; CREB-regulated transcription coactivator 2; TORC2; transducer of regulated cAMP response element-binding

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protein (CREB) 2; TORC-2;

Gene ID 200186

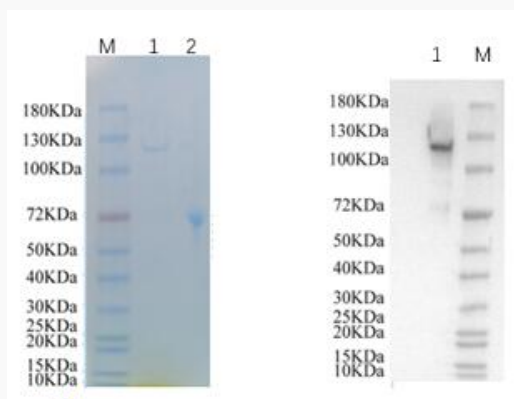
mRNA Refseq NM_181715

Protein Refseq NP_859066

MIM 608972

UniProt ID Q53ET0

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified CRTC2



1.CRTC2

2.BSA

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