

Recombinant Human CRTC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CRTC1-987H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CRTC1 MS Standard C13 and N15-labeled recombinant protein (NP_001091952) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	CRTC1 (CREB Regulated Transcription Coactivator 1) is a Protein Coding gene. Diseases associated with CRTC1 include Mucoepidermoid Carcinoma and Cutaneous Mucoepidermoid Carcinoma. Among its related pathways are Organelle biogenesis and maintenance and Mitochondrial Gene Expression. Gene Ontology (GO) annotations related to this gene include cAMP response element binding protein binding. An important paralog of this gene is CRTC2.
Molecular Mass	68.6 kDa
AA Sequence	MATSNNPRKFSEKIALHNQKQAEETAAFEVMDLSLTRAARLQLQKSQYLQLGPS RGQYYGGSLPNVNQIGSGTMDLPFQPSGFLGEALAAAPVSLTPFQSSGLDTSRTTR HHGLVDRVYRERGRLGSPHRRPLSVDKHGRQADSCPYGTMYSPPADTSWRRTN SDSALHQSTMTPTQPESFSSGSQDVHQKRVLLTVPGMEETTSEADKNLSKQAWD TKKTGSRPKSCEVPGINIFPSADQENTTALIPATHNTGGSLPDLTNIHFPSPLPTPLDP EEPTFPALSSSSSTGNLAANLTHLGIGGAGQGMSTPGSSPQHRPAGVSPLSLSTE ARRQQASPTLSPLSPITQAVAMDALSLEQQLPYAFFTQAGSQQPPPQPQPPPPPPPA

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SQQPPPPPPQAPVRLPPGGPLLPSASLTRGPQPPPLAVTVPSSLPQSPPENPGQP
 SMGIDIASAPALQQYRTSAGSPANQSPTSPVSNQGFSPGSSPQHTSTLGSVFGDAY
 YEQQMAARQANALSHQLEQFNMMENAISSSSLYSPGSTLNYSQAAMMGLTGSHGS
 LPDSQQLGYASHSGIPNIILTVTGESPPSLSKELTSSLAGVGDVSFDSQFPLDELKI
 DPLTLDGLHMLNDPDMVLADPATEDTFRMDRLSGPTRTRRLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **CRTC1 CREB regulated transcription coactivator 1 [Homo sapiens (human)]**

Official Symbol **CRTC1**

Synonyms CRTC1; CREB regulated transcription coactivator 1; MECT1, mucoepidermoid carcinoma translocated 1; CREB-regulated transcription coactivator 1; FLJ14027; KIAA0616; TORC1; TORC-1; transducer of CREB protein 1; mucoepidermoid carcinoma translocated 1; mucoepidermoid carcinoma translocated protein 1; transducer of regulated cAMP response element-binding protein 1; transducer of regulated cAMP response element-binding protein (CREB) 1; MECT1; WAMTP1;

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Gene ID	23373
mRNA Refseq	NM_001098482
Protein Refseq	NP_001091952
MIM	607536
UniProt ID	Q6UUV9
SDS-PAGE	