

Product datasheet for **TA346923**

TORC1 (CRTC1) Mouse Monoclonal Antibody [Clone ID: 3D7-E5-D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D7-E5-D9
Applications:	FC, IF, IP, WB
Recommended Dilution:	WB: 1:1000, IF: 1:300, FC: 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for CRTC1 antibody: purified recombinant human MECT1 / Torc1 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78 kDa
Gene Name:	CREB regulated transcription coactivator 1
Database Link:	NP_056136 Entrez Gene 23373 Human Q6UUV9



[View online »](#)

Background:	Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated and acts independently of CREB1 'Ser-133' phosphorylation. Enhances the interaction of CREB1 with TAF4. Regulates the expression of specific CREB-activated genes such as the steroidogenic gene, StAR. Potent coactivator of PGC1alpha and inducer of mitochondrial biogenesis in muscle cells. Also coactivator for TAX activation of the human T-cell leukemia virus type 1 (HTLV-1) long terminal repeats (LTR). In the hippocampus, involved in late-phase long-term potentiation (L-LTP) maintenance at the Schaffer collateral-CA1 synapses (By similarity)
Synonyms:	MECT1; TORC-1; TORC1; WAMTP1
Protein Families:	Transcription Factors