

Product datasheet for **LC418033**

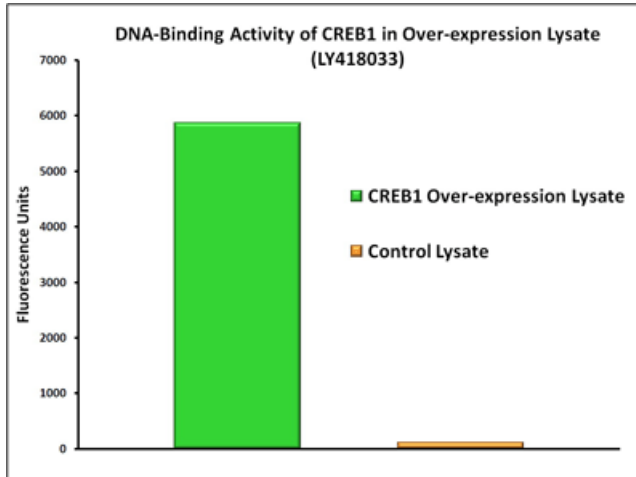
CREB1 (NM_004379) Human Over-expression Lysate

Product data:

Product Type:	Over-expression Lysates
Description:	CREB1 HEK293T cell transient overexpression lysate (as WB positive control)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	TrueORF Clone RC210577
Tag:	C-Myc/DDK
Detection Antibodies:	Clone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)
ACCN:	NM_004379 , NP_004370
Synonyms:	CREB; CREB-1
Predicted MW:	35.1 kDa
Components:	1 vial of 20 ug lyophilized gene specific transient over-expression cell lysate
Storage:	The lysate can be shipped at ambient temperature. Upon receiving, store the sample at -20°C. Lysate samples can be reconstituted with SDS Sample Buffer. Avoid repeated freeze-thaw cycles after reconstitution. Lysate samples are stable for 12 months from date of receipt when stored at -20°C.
Preparation:	HEK293T cells in 10-cm dishes were transiently transfected with MegaTran Transfection Reagent (TT200002) and 5ug TrueORE cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). To facilitate transportation and protein, the products are supplied as lyophilized proteins.
RefSeq:	NP_004370
Locus ID:	1385
Cytogenetics:	2q33.3
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Antigen processing and presentation, Huntington's disease, Melanogenesis, Prostate cancer



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Product images:

DNA-binding activity of CREB1 was measured in OriGene over-expression lysate [LY418033] and a control lysate. Three microliters of each lysate was tested with a transcription factor binding assay utilizing CREB1-specific DNA sequences. The high level of activity observed in the over-expression lysate compared to the control lysate demonstrates that the expressed CREB1 is biologically active in the lysate. Overexpression cell lysates are prepared from HEK293T cells transfected with [RC210577] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).