

Recombinant Full Length Human CREB1 Protein, GST-tagged

Cat. No. CREB1-2260HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CREB1 full-length ORF (AAH10636, 1 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	341 amino acids
Description	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]
Molecular Mass	63.25 kDa
AA Sequence	MTMESGAENQQSGDAAVTEAENQQMTVQAQPQIATLAQVSMPPAAHATSSAPT VTL VQLPNGQTVQVHGVIQAAQPSVIQSPQVQTVQSSCKDLKRLFSGTQISTIAESED SQ ESVDSVTDSQKRREILSRPSYRKILNDLSSDAPGVPRIEEEKSEEETSAPAITTVTP TPIYQTSSGQYIAITQGGAIQLANNGTDGVQGLQTLTMTNAAATQPGTTILQYAQT TD GQQILVPSNHVVVQAASGDVQTYQIRTAPTSTIAPGVVMASSPALPTQPAEEAARKR EVRLMKNREAARECRRKKKEYVKLENRVAVLENQNKT LIEELKALKDLYCHKSD

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CREB1 cAMP responsive element binding protein 1 [Homo sapiens]
Official Symbol	CREB1
Synonyms	CREB1; cAMP responsive element binding protein 1; cyclic AMP-responsive element-binding protein 1; CREB-1; transactivator protein; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1; CREB; MGC9284
Gene ID	1385
mRNA Refseq	NM_004379
Protein Refseq	NP_004370
MIM	123810
UniProt ID	P16220

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