

Recombinant Human Cyclic AMP-responsive element-binding protein 1(CREB1)

Catalog No: #AP70188

Package Size: #AP70188-1 20ug #AP70188-2 100ug #AP70188-3 1mg

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Description

Product Name	Recombinant Human Cyclic AMP-responsive element-binding protein 1(CREB1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-341aaSequence Info:Full Length
Accession No.	P16220
Calculated MW	40.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MTMESGAENQQSGDAAVTEAENQMTVQAQPQIATLAQVSMFAAHATSSAPTVTLVQLPNGQTVQVHGVIIQ AAQPSVIQSPQVQTVQSSCKDLKRLFSGTQISTIAESEDSSQESVDSVTDSSQKRREILSRPSYRKILNDLSSDA PGVPRIEEKSEEEETSAPAITTVTVPTPIYQTSSGQYIAITGGAIQLANNGTDGVQGLQTLTMTNAAATQP GTT ILQYAQTDDGQQILVPSNQVVQAASGDVQTYQIRTAPTSTIAPGVVMASSPALPTQPAEEAARKREVRLMKN REAARECRRKKKEYVKCLNRRVAVLENQNKTLIEELKALKDLYCHKSD
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)Research Topic:Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.