

Recombinant human CREBBP protein ab198130

1 References 2 图像

描述	
产品名称	重组人CREBBP蛋白
生物活性	Assay was performed using a KAT3A / CBP Inhibitor Screening Assay Kit.
纯度	>= 96 % SDS-PAGE.
表达系统	Escherichia coli
Accession	<u>Q92793</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWR NKKFELGL EFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAET SMLEGAVL DIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTY LNGDHVTH PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKY LKSSKYIA WPLQGWQATFGGGDHPKSDLEVL FQGPLGSRKKIFKPEELR QALMPTLE ALYRQDPESLPFRQPVPDQLLGIPDYFDIVKNPMDLSTIKRK LDTGQYQE PWQYVDDVWLMFNNAWLYNRKTSRVYKFCSKLAEVFEQEIDP VMQSLG
预测分子量	41 kDa including tags
氨基酸	1081 to 1197
标签	GST tag N-Terminus
额外的序列信息	Bromodomain; NM_004380.

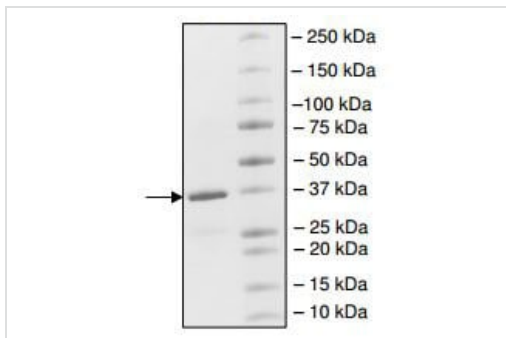
技术指标

Our **Abpromise guarantee** covers the use of **ab198130** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

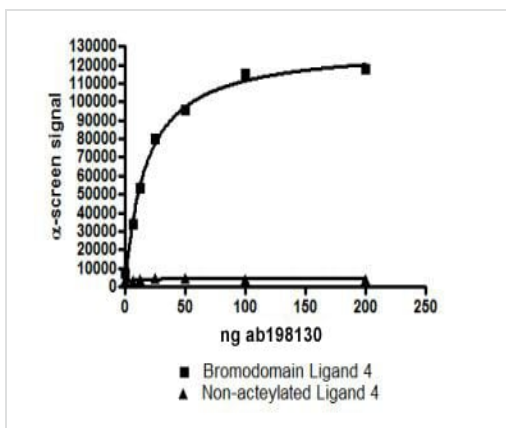
应用	SDS-PAGE
	Functional Studies
形式	Liquid
制备和贮存	
稳定性和存储	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.
	pH: 8.00
	Constituents: 0.04% Tween, 20% Glycerol (glycerin, glycerine), 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
常规信息	
功能	Acetylates histones, giving a specific tag for transcriptional activation. Also acetylates non-histone proteins, like NCOA3 coactivator. Binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMP-responsive genes. Acts as a coactivator of ALX1 in the presence of EP300.
疾病相关	Note=Chromosomal aberrations involving CREBBP may be a cause of acute myeloid leukemias. Translocation t(8;16)(p11;p13) with MYST3/MOZ; translocation t(11;16)(q23;p13.3) with MLL/HRX; translocation t(10;16)(q22;p13) with MYST4/MORF. MYST3-CREBBP may induce leukemia by inhibiting RUNX1-mediated transcription. Defects in CREBBP are a cause of Rubinstein-Taybi syndrome type 1 (RSTS1) [MIM:180849]. RSTS1 is an autosomal dominant disorder characterized by craniofacial abnormalities, broad thumbs, broad big toes, mental retardation and a propensity for development of malignancies.
序列相似性	Contains 1 bromo domain. Contains 1 KIX domain. Contains 2 TAZ-type zinc fingers. Contains 1 ZZ-type zinc finger.
结构域	The KIX domain mediates binding to HIV-1 Tat.
翻译后修饰	Methylation of the KIX domain by CARM1 blocks association with CREB. This results in the blockade of CREB signaling, and in activation of apoptotic response. Phosphorylated upon DNA damage, probably by ATM or ATR. Sumoylation negatively regulates transcriptional activity via the recruitment of DAAX.
细胞定位	Cytoplasm. Nucleus. Recruited to nuclear bodies by SS18L1/CREST. In the presence of ALX1 relocalizes from the cytoplasm to the nucleus.

图片	
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SDS-PAGE - Recombinant human CREBBP protein (ab198130)

4-20% SDS-PAGE analysis of ab198130 (2µg).



Activity assay using ab198130.

Functional Studies - Recombinant human CREBBP protein (ab198130)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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