

Recombinant human BMP9 protein (Active) ab94350

描述

产品名称	重组人BMP9蛋白(Active)
生物活性	Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED ₅₀ for this effect is 0.5-1.9 ng/ml.
纯度	> 95 % SDS-PAGE. Purity: Greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
表达系统	CHO cells
Accession	<u>Q9UK05</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	SAGAGSHCQK TSLRVNFEDI GWDSWIIAPK EYEAYECKGG CFFPLADDVT PTKHAIVQTL VHLKFPTKVG KACCVPTKLS PISVLYKDDM GVPTLKYHYE GMSVAECGCR
预测分子量	24 kDa
氨基酸	320 to 429
额外的序列信息	This product is the mature full length protein from aa 320 to 429. The signal peptide and propeptide are not included.

技术指标

Our **Abpromise guarantee** covers the use of **ab94350** in the following tested applications.

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

应用	HPLC SDS-PAGE
形式	Lyophilized

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

For lot specific reconstitution information please contact our Scientific Support Team.

常规信息

相关性

BMP9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. They are regulators of cell growth and differentiation. BMP9 has a role in the maturation of BFCN (basal forebrain cholinergic neurons) also inducing and maintaining the ability of these cells to respond to acetylcholine; BFCN are important for the processes of learning, memory and attention. BMP9 is a potent inducer of hepcidin (a cationic peptide that has antimicrobial properties) in hepatocytes and can regulate iron metabolism. The physiological receptor of BMP9 is thought to be activin receptor-like kinase 1, ALK1 (also called ACVRL1), an endothelial-specific type I receptor of the TGF-beta receptor family. BMP9 is one of the most potent BMPs to induce orthotopic bone formation in vivo. BMP3, a blocker of most BMPs seems not to affect BMP9.

细胞定位

Secreted

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

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