

Recombinant human FGF2 protein (Animal Free) ab179490

1 图像

描述

产品名称	重组人FGF2蛋白(Animal Free)		
生物活性	The activity is determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells and is typically less than 1 ng/mL.		
纯度	> 97 % SDS-PAGE.		
内毒素水平	< 1.000 Eu/μg		
表达系统	Escherichia coli		
Accession	<u>P09038</u>		
蛋白长度	Full length protein		
无动物成分	Yes		
性质	Recombinant		
种属	Human		
序列	AAGSITTLPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHIK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYT SWYVALKRTG QYKLGSKTGP GQKAILFLPM SAKS		
预测分子量	17 kDa		
氨基酸	135 to 288		
额外的序列信息	Mature form.		

技术指标

Our **Abpromise guarantee** covers the use of **ab179490** in the following tested applications.

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

应用	Functional Studies
	SDS-PAGE
形式	Lyophilized

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

Constituent: 0.14% Sodium phosphate

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

常规信息

功能

Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. Can induce angiogenesis (PubMed:23469107).

组织特异性

Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.

序列相似性

Belongs to the heparin-binding growth factors family.

翻译后修饰

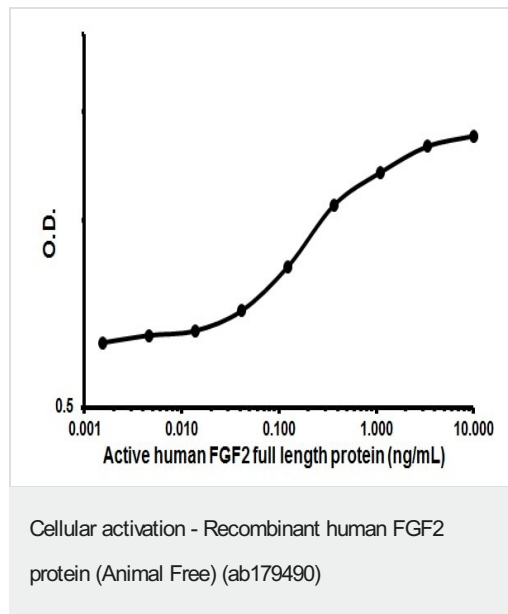
Phosphorylation at Tyr-215 regulates FGF2 unconventional secretion.

Several N-termini starting at positions 94, 125, 126, 132, 143 and 162 have been identified by direct sequencing.

细胞定位

Secreted. Nucleus. Exported from cells by an endoplasmic reticulum (ER)/Golgi-independent mechanism. Unconventional secretion of FGF2 occurs by direct translocation across the plasma membrane. Binding of exogenous FGF2 to FGFR facilitates endocytosis followed by translocation of FGF2 across endosomal membrane into the cytosol. Nuclear import from the cytosol requires the classical nuclear import machinery, involving proteins KPNA1 and KPNB1, as well as CEP57.

图片



Dose-dependent proliferation of mouse BALB/c 3T3 cells with ab179490. Assays were carried out in triplicate.

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

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