

Recombinant Human FGFR1 alpha protein (Fc Chimera)  
ab84000

画像数 3

製品の詳細

製品名	Recombinant Human FGFR1 alpha protein (Fc Chimera)
精製度	> 95 % SDS-PAGE.
発現系	HEK 293 cells
アクセッション番号	<b><u>P11362</u></b>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	

Theoretical Sequence:  
RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDD  
VQSINWLRDGVQLAESNRTRITGE  
EVEVQDSVPADSGLYACVTSSPSG  
SDTTYFSVNVSDALPSEDDDDDDSSSEKETDNTKP  
NRMPVAPYWT  
SPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFK  
PDHRIGGY KV  
RYATWSIIMDSVVP SDKGN YTCIVENEYGSINHTYQLDVVER  
SPHR PILQAGLPANKTVALGSN  
VEFMCKVYSDPQPHIQWLKHIEVNGSKIGP  
DNL PYVQILKTAGVNTTDKEMEVLHLRNVSFEDA  
GEYTCLAGNSIGLS  
HHSAWLTVLEALEGIPKVDKKVEPKSCDKTHTCPPCPAPELL  
GGPSVFLF  
PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVH  
NAKTKP REEQYNSTYRVVSVL  
TVLHQDWLNGKEYKCRVSNKALPAPIEKTISKA  
KGQPREPQVYTLPPSRDELTKNQVSLTCLVK  
GFYPSDIAVEWESNGQP  
ENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNV FSCSVMH  
EAL HNH YTQKSLSLSPGK

## 配列の追加情報

Encodes the signal peptide and extracellular domain of human FGF R1 alpha (IIIc) (aa 1-363) was fused to the Fc region IgG1 (aa 93-330). The chimeric protein was expressed in modified human 293 cells.

## 特性

Our **Abpromise guarantee** covers the use of **ab84000** in the following tested applications.

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

### アプリケーション

SDS-PAGE

### 製品の状態

Lyophilized

## 前処理および保存

### 保存方法および安定性

Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.

Constituents: 1% Human serum albumin, 10% Trehalose

### 再構成

It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

## 関連情報

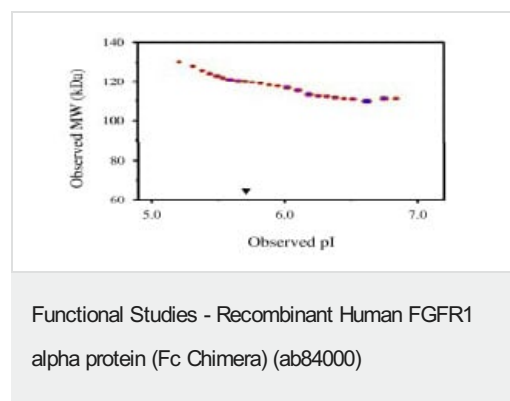
### 関連性

FGFR1 (fibroblast growth factor receptor 1) is a member of the fibroblast growth factor receptor family and contains an Ig-like domain and a tyrosine kinase domain. This receptor has multiple isoforms and is a Type I membrane protein. FGFR1 is widely expressed, with distinct isoforms expressed in specific tissues. FGFR1 binds fibroblast growth factor and induces mitogenesis and cellular differentiation. Defects in FGFR1 result in Pfeiffer syndrome associated with craniosynostosis. FGFR1 can be modified by phosphorylation and can bind basic/acidic fibroblast factor depending on the receptor isoform. FGFR1 has been shown to interact with N-cadherin and NCAM.

### 細胞内局在

Cell Membrane

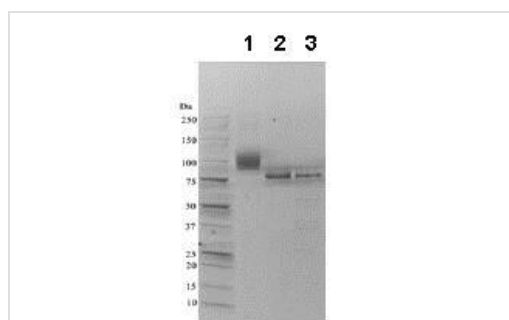
## 画像



Densitometry of protein isoforms visualised by 2-DE.

The densitometry scan demonstrates the purified human cell expressed protein exists in multiple isoforms, which differ according to their level of post-translational modification.

The triangle indicates the theoretical MW and pI of the protein.



SDS-PAGE - Recombinant Human FGFR1 alpha protein (Fc Chimera) (ab84000)

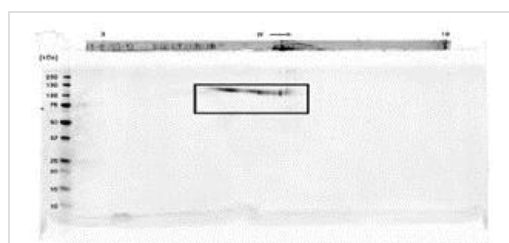
1D SDS-PAGE of ab84000 before and after treatment with glycosidases to remove oligosaccharides.

Lane 1: ab84000

Lane 2: ab84000 treated with PNGase F to remove potential N-linked glycans

Lane 3: ab84000 treated with a glycosidase cocktail to remove potential N- and O-linked glycans.

10 µg protein was loaded per lane; Gel was stained with Deep Purple™.



SDS-PAGE - Recombinant Human FGFR1 alpha protein (Fc Chimera) (ab84000)

A sample of ab84000 without carrier protein was reduced and alkylated and focused on a 3-10 IPG strip then run on a 4-20% Tris-HCl 2D gel. 40 µg protein was loaded. Spot train (Deep Purple™ stained) indicates presence of multiple isoforms.

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

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