

Recombinant Human FGFR1 alpha protein (Fc Chimera) ab84000

3 图像

描述	
产品名称	重组人FGFR1 alpha蛋白(Fc Chimera)
纯度	> 95 % SDS-PAGE.
表达系统	HEK 293 cells
Accession	<u>P11362</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	<div>Theoretical Sequence: RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDD VQSINWLRDGVQLAESNRTRITGE EVEVQDSVPADSGLYACVTSSPSG SDTTYFSVNVSDALPSEDDDDDDSSSEKETDNTKP NRMPVAPYWT SPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFK PDHRIGGY KV RYATWSIIMDSVVPSPDKGNYTCIVENEYGSINHTYQLDVVER SPHR PILQAGLPANKTVALGSN VEFMCKVYSDPQPHIQWLKHIEVNGSKIGP DNLPLYVQILKTAGVNTTDKEMEVLHLRNVSFEDA GEYTCLAGNSIGLS HHSAWLTVLEALEGIPKVDKKVEPKSCDKTHTCPPCPAPELL GGPSVFLF PPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVH NAKTKP REEQYNSTYRVVSVL TVLHQDWLNGKEYKCRVSNKALPAPIEKTISKA KGQPREPQVYTLPPSRDELTKNQVSLTCLVK GFYPSDIAVEWESNGQP ENNYKTTTPVLDSGSEFFLYSKLTVDKSRWQQGNVFCFSVMH EAL HNH YTQKSLSLSPGK</div>
氨基酸	1 to 363

额外的序列信息

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.

技术指标

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.

应用 SDS-PAGE

形式 Lyophilized

制备和贮存

稳定性和存储 Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.

Constituents: 1% Human serum albumin, 10% Trehalose

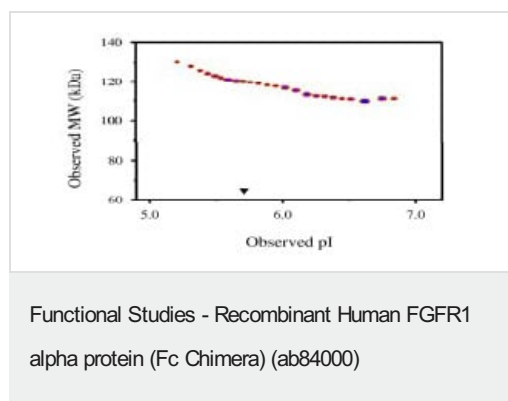
复溶 It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

常规信息

相关性 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.

细胞定位 Cell Membrane

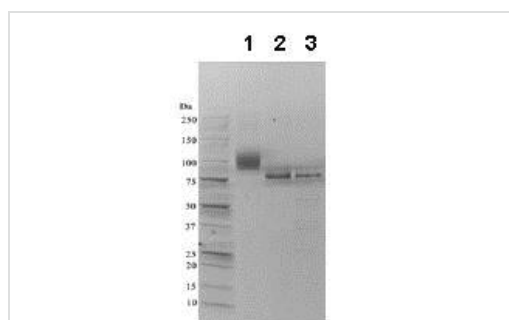
图片



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)

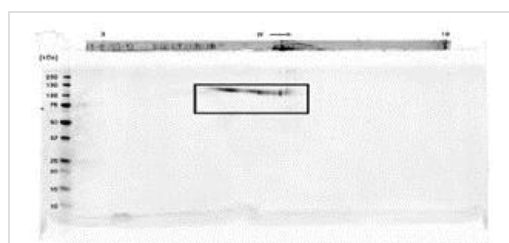
1D SDS-PAGE of ab84000 before and after treatment with glycosidases to remove oligosaccharides.

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.

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