

Recombinant human FGF2 protein ab176058

製品の詳細

製品名	Recombinant human FGF2 protein
生理活性	The ED ₅₀ determined by a cell proliferation assay using balb/c 3T3 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.
精製度	≥ 98 % SDS-PAGE.
エンドトキシン・レベル	< 0.100 Eu/ μ g
発現系	Escherichia coli
アクセッション番号	<u>P09038</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	PALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDG VREKSDPH IKLQLQAEERGVSIGVCANRYLAMKEDGRLLASKCVTDEC FFFERLES NNYNTYRSRKYTSWYVALKRTGQYKLGSKTGPQKAILFLPM SAKS
予測される分子量	16 kDa
領域	143 to 288

特性

Our **Abpromise guarantee** covers the use of **ab176058** 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	Functional Studies
	HPLC
	SDS-PAGE

製品の状態	Lyophilized
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前処理および保存

保存方法および安定性	<p>Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>Constituents: 0.06% Tris, 0.88% Sodium chloride</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
再構成	<p>Reconstitute in 5 mM Tris, pH 7.6 to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.</p>
関連情報	
機能	<p>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).</p>
組織特異性	<p>Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.</p>
配列類似性	<p>Belongs to the heparin-binding growth factors family.</p>
翻訳後修飾	<p>Phosphorylation at Tyr-215 regulates FGF2 unconventional secretion.</p> <p>Several N-termini starting at positions 94, 125, 126, 132, 143 and 162 have been identified by direct sequencing.</p>
細胞内局在	<p>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.</p>

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

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