

CHAMOT

重组人成纤维细胞生长因子-12 /Recombinant FGF-12, Human, Animal-Free

CM102-5HP

CM102-20HP

CM102-100HP

CM102-500HP

CM102-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人成纤维细胞生长因子-12 /Recombinant FGF-12, Human, Animal-Free

产品编号	CM102-5HP	CM102-20HP	CM102-100HP	CM102-500HP	CM102-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Fibroblast Growth Factors-12 (FGF-12) is a 20.4 kDa member of the fibroblast Growth Factors with 181 amino acid residues. FGF-12 is mainly expressed from inhibitory neurons, oligodendrocyte precursor cells, excitatory neurons, cardiomyocytes. Involved in nervous system development, function, and positive regulation of voltage-gated sodium channel activity. FGF-12 function in the development of the central and peripheral nervous systems, connective tissue of the skeleton, and the myocardia of the heart.

别称

fibroblast growth factor 12, EIEE47B, FHF1, FGF12

蛋白编码

NP_004104.3

分子量

The protein has a calculated MW of 21.23 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>98% as determined by SDS-PAGE.

生物活性

Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <2 ng/mL.

内毒素检测

<0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列

MESKEPQLKGIVTRLFSQQGYFLQMHPDGTIDGTDKSDYTLFNLIPVGLRVVAIQGVKASLY
VAMNGEGYLYSSDVFTPECKFKESVFENYYVIYSSTLYRQQESGRAWFLGLNKEGQIMKGNRV
KKTKPSSHFPKPIEVCMYREPSLHEIGEKQGRSRKSSGTPTMNGGKVVNQDSTwith
polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

产品应用

Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

• After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/ml.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

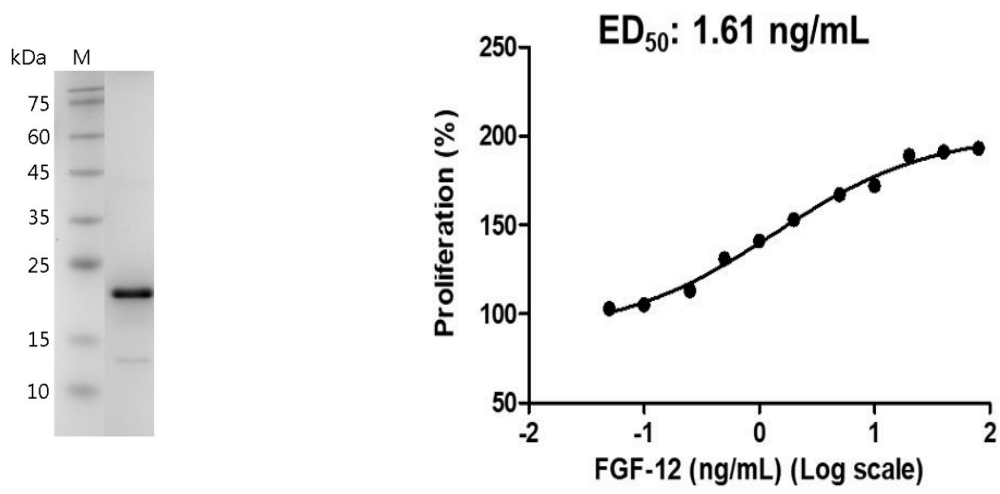
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



SDS-PAGE analysis of recombinant human FGF-12. Human FGF-12, His Tag, E. coli induced 3T3 cell proliferation, with the ED₅₀ at 1.61 ng/mL.

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For Research Use or Further Manufacturing Only

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