

CHAMOT

重组人成纤维细胞生长因子-23 /Recombinant FGF-23, Human, Animal-Free

CM112-5HP



CM112-20HP



CM112-100HP



CM112-500HP



CM112-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

重组人成纤维细胞生长因子-23 /Recombinant FGF-23, Human, Animal-Free

| | | | | | |
|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM112-5HP | CM112-20HP | CM112-100HP | CM112-500HP | CM112-1000HP |
| 规格 | 5 µg | 20 µg | 100 µg | 500 µg | 1 mg |

产品简介

| | |
|--------------|---|
| 背景描述 | Fibroblast Growth Factors-23 (FGF-23) is a 28 kDa member of the fibroblast Growth Factors with 251 amino acid residues. FGF-23 is expressed from brain, hepatic stellate cells, cone photoreceptor cells, early spermatids. FGF-23 involved phosphate metabolism and vitamin D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. |
| 别称 | fibroblast growth factor 23, FGFN, FGF23 |
| 蛋白编码 | Q9GZV9 |
| 分子量 | The protein has a calculated MW of 26.27 kDa. The protein migrates as 26 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 proliferation in BaF3 cells transfected with human FGFRIIIc. The ED ₅₀ for this effect is <0.3 µg/mL. |
| 内毒素检测 | <0.1 EU per 1 µg of the protein by the LAL method. |
| 蛋白序列 | MYPNASPLLGSSWGGLIHLYTATARNSYHLQIHKNGHVDGAPHQTIYSALMIRSEDAGVVITGVMSRRYLCMDFRGNIFGSHYFDPENCRFQHQTLNGYDVYHSPQYHFLVSLGRAKRAFLPGMNPPPYSQFLSRRNEIPLIHFNTPIPRRHTRSAEDDSERDPLNVLKPRARMTPAPASCSQLPSEAEDNSPMASDPLGVVRGGRVNTHAGGTGPEGCRFAKFI with 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 8.0. 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 ($\geq 20 \mu\text{l}$).
- 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

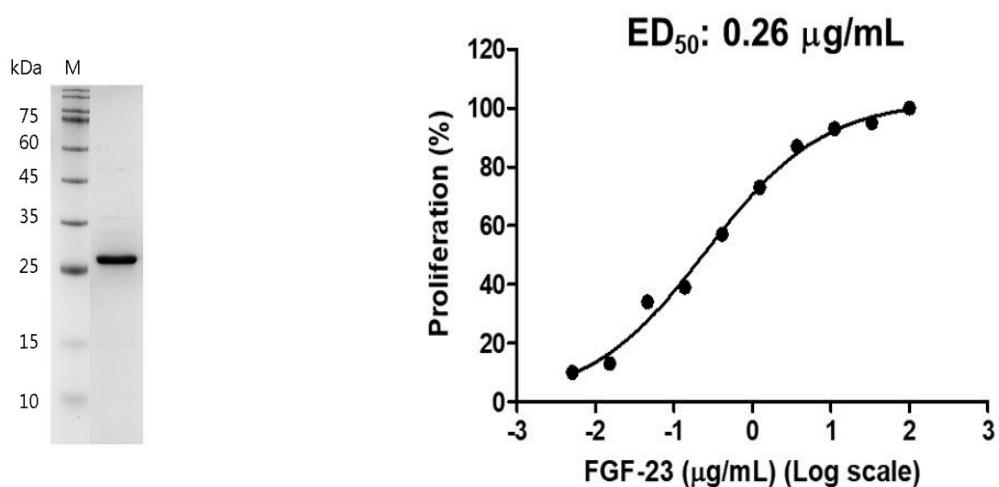
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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-

23

Human FGF-23, His Tag, E. coli induced proliferation in BaF3 cells

transfected with human FGFRIIIc, with the ED₅₀ at 0.26 μg/mL.

For Research Use or Further Manufacturing Only

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