



碧云天生物技术/Beyotime Biotechnology
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Recombinant Human FGF-16

产品编号	产品名称	包装
P5482-5μg	Recombinant Human FGF-16	5μg
P5482-100μg	Recombinant Human FGF-16	100μg
P5482-500μg	Recombinant Human FGF-16	500μg

产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
Human	8823	O43320	<i>E. coli</i>	206aa	23.6kDa	—

About this protein	
Name	Recombinant Human FGF-16 (Recombinant Human Fibroblast Growth Factor-16; rHuFGF-16); 重组人成纤维细胞生长因子16
Synonyms	MF4; FGF-16
Purity	>98% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5ng/ml, corresponding to a specific activity of $>2.0 \times 10^6$ IU/mg.
Physical Appearance	Sterile Colorless liquid.
Formulation	Supplied as a 0.2μm filtered solution in 20mM Tris-HCl, 1M NaCl, pH 9.0, with 0.02% Tween-20, 10% Glycerol.
Endotoxin	Less than 0.1EU/μg of rHuFGF-16 as determined by LAL method.
Reconstitution	N/A
Category	Cytokine
Background	Fibroblast growth factor 16 (FGF-16) belongs to the large FGF family. All FGF family members are heparin-binding growth factors with a core 120 amino acid (a.a.) FGF domain that allows for a common tertiary structure. FGF-16 was originally identified in rat heart tissue by homology based polymerase chain reaction. Human FGF-16 cDNA predicts a 207 aa precursor protein with one N-linked glycosylation site. FGF-16 lacks a typical signal peptide, but is efficiently generated by mechanisms other than the classical protein secretion pathway. Among FGF family members, FGF-16 is most similar to FGF-9, sharing 73% aa sequence homology. Human FGF-16 shares 99% and 98.6% aa sequence identity with the mouse and rat FGF-16, respectively.
Amino Acid Sequence	AEVGGVFASL DWDLHGFSSS LGNVPLADSP GFLNERLGQI EGKLRQGSPT DFAHLKGILR RRQLYCRTGF HLEIFPNGTV HGTRHDHSRF GILEFISLAV GLISIRGVDS GLYLG MNERG ELYGSKLTR ECVFREQFEE NWFYNTYASTL YKHSDSERQY YVALNKDGSP REGYRTRKHQ KFTHFLPRPV DPSKLPMSR DLFHYR

包装清单:

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—	说明书	1份

保存条件:

-20°C或更低温度保存, 至少一年有效。由于蛋白的每次冻融均会引起部分失活, 所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液), 须分装后-20°C或更低温度冻存, 以避免反复冻融。

注意事项：

- 由于有些塑料管壁对某些蛋白有较强的吸附作用，溶液中的蛋白很容易粘附在管壁上，并且粘附后的蛋白很难与管壁分离。而载体蛋白(Carrier protein, 如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点，使细胞因子或重组蛋白不会粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明，碧云天相关产品均为冻干粉，由于微量的蛋白在冻干过程中沉积在管内，形成很薄或不可见的蛋白层，所以在打开管盖前，我们建议在离心机中约8,000-12,000g离心10-30秒，使附着在管盖或管壁上的蛋白聚集于管底。
2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数细胞因子或重组蛋白的冻干粉是非常容易溶解的，一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子，即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡，以免蛋白变性而失活。
3. 具体的最佳工作浓度请自行参考相关文献，或者根据实验目的，以及特定细胞和动物，通过实验进行摸索和优化。

Version 2024.01.10