



碧云天生物技术/Beyotime Biotechnology
 订货热线: 400-168-3301或800-8283301
 订货e-mail: order@beyotime.com
 技术咨询: info@beyotime.com
 网址: http://www.beyotime.com

Recombinant Human FGF-9

| 产品编号 | 产品名称 | 包装 |
|-------------|-------------------------|-------|
| P5471-5μg | Recombinant Human FGF-9 | 5μg |
| P5471-20μg | Recombinant Human FGF-9 | 20μg |
| P5471-100μg | Recombinant Human FGF-9 | 100μg |
| P5471-1mg | Recombinant Human FGF-9 | 1mg |

产品简介:

| Species | Gene ID | Accession | Source | Length | MW | Tag |
|---------|---------|-----------|----------------|--------|---------|-----|
| Human | 2254 | P31371 | <i>E. coli</i> | 207aa | 23.3kDa | — |

| About this protein | |
|---------------------|---|
| Name | Recombinant Human FGF-9 (Recombinant Human Fibroblast Growth Factor-9; rHuFGF-9); 重组人成纤维细胞生长因子9 |
| Synonyms | FGF-9; Fibroblast growth factor 9; fibroblast growth factor 9 (glia-activating factor); GAF; glia-activating factor; HFBG-9; HBGF-9; Heparin-binding growth factor 9; MGC119914; MGC119915; SYNS3 |
| Purity | >95% 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 >2.0×10 ⁶ IU/mg. |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Formulation | Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH7.4. |
| Endotoxin | Less than 1EU/μg of rHuFGF-9 as determined by LAL method. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions. |
| Category | Cytokine |
| Background | Fibroblast growth factor-9 (FGF-9) is a member of the fibroblast growth factor (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-9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. FGF-9 is a monomer and interacts with FGFR1, FGFR2, FGFR3 and FGFR4. The human FGF-9 shares 98%a.a. sequence identity with mouse, rat, equine, porcine, and bovine FGF-9. |
| Amino Acid Sequence | APLGEVGNFYF GVQDAVPFGN VPVLPVDSPV LLSDDLHGQSE AGGLPRGPAV TDLHLKGIL RRRQLYCRTG FHLEIFPNGT IQGTRKDHSR FGILEFISIA VGLVSIRGVD SGLYLG MNEK GELYGSEKLT QECVFREQFE ENWNTYSSN LYKHVDTGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELY KDILSQS |

包装清单:

| 产品编号 | 产品名称 | 包装 |
|-------------|-------------------------|-------|
| P5471-5μg | Recombinant Human FGF-9 | 5μg |
| P5471-20μg | Recombinant Human FGF-9 | 20μg |
| P5471-100μg | Recombinant Human FGF-9 | 100μg |
| P5471-1mg | Recombinant Human FGF-9 | 1mg |
| — | 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很容易溶解的，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 2017.02.10