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# Recombinant Human FGF-9

Catalog#:P01646 Derived from *E.coli*

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| **DESCRIPTION** | Recombinant Human Fibroblast Growth Factor 9 is produced by our *E.coli* expression system and the target gene encoding Met1-Ser208 is expressed.<br>**Accession#**: P31371<br>**Known as**: Fibroblast Growth Factor 9; FGF-9; Glia-Activating Factor; GAF; Heparin-Binding Growth Factor 9; HBGF-9; FGF9 |
| **FORMULATION** | Lyophilized from a 0.2μm filtered solution of 20mM PB, pH 6.0. |
| **SHIPPING** | The product is shipped at ambient temperature.<br>Upon receipt, store it immediately at the temperature listed below. |
| **STORAGE** | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.<br>Reconstituted protein solution can be stored at 2-8°C for 2-7 days.<br>Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| **RECONSTITUTION** | *Always centrifuge tubes before opening. Do not mix by vortex or pipetting.*<br>*It is not recommended to reconstitute to a concentration less than 100μg/ml.*<br>Dissolve the lyophilized protein in distilled water.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **QUALITY CONTROL** | **Mol Mass**:23.44kDa **AP Mol Mass**:25kDa, reducing conditions.<br>**Purity**: Greater than 95% as determined by reducing SDS-PAGE.<br>**Endotoxin**: Less than 0.1ng/μg (1 EU/μg) as determined by LAL test. |
| **BACKGROUND** | Fibroblast Growth Factor 9 (FGF-9) belongs to the Fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In addition, FGF-9 may have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors. |

SDS-PAGE