

Recombinant Human FGF-2/FGFb Protein

Catalog Number: PKSH032438

Note: Centrifuge before opening to ensure complete recovery of vial contents.

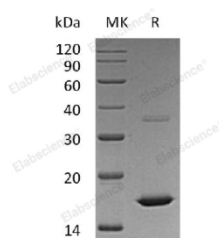
Description

| | |
|---------------------|---|
| Species | Human |
| Mol_Mass | 18.1 kDa |
| Accession | P09038 |
| Bio-activity | Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <1 ng/mL. The specific activity of recombinant human FGF-2 is approximately >5 x 10 ⁵ IU/mg. |

Properties

| | |
|-----------------------|--|
| Purity | > 98 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 0.1 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile PBS with 0.01% sarkosyl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Fibroblast growth factor 2 (FGF2) is a secreted protein and belongs to the heparin-binding growth factors family. FGF2 is produced by epithelial; tumor and other cell types. It involved in developmental processes and regulates differentiation; proliferation; and migration; FGF2 is a critical factor for growing embryonic stem cells in culture without inducing differentiation. FGF2 has a high affinity for heparan sulfate and binding is a step in the FGF basic activation of FGFR tyrosine kinase.

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