

## Recombinant Human FGF-5 protein(His Tag)

**Catalog Number:** PKSH034150

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

### Description

|                      |   |
|----------------------|---|
| <b>Species</b>       | Human   |
| <b>Source</b>        | E.coli-derived Human FGF-5 protein Ala 18-Gly 268, with an C-terminal His   |
| <b>Calculated MW</b> | 28.5 kDa  |
| <b>Observed MW</b>   | 34 kDa  |
| <b>Accession</b>     | P12034  |
| <b>Bio-activity</b>  | Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <0.7 ng/mL. The specific activity of recombinant human FGF-5 is > 1.4 x 10 <sup>6</sup> IU/mg |

### Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 0.1 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>        | 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. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 8.0.<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.            |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

### Background

Plays an important role in the regulation of cell proliferation and cell differentiation. Required for normal regulation of the hair growth cycle. Functions as an inhibitor of hair elongation by promoting progression from anagen, the growth phase of the hair follicle, into catagen the apoptosis-induced regression phase.

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