

## Recombinant Human FGF-6 protein(His Tag)

**Catalog Number:** PKSH034151

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

### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human FGF-6 protein Gly 41-Ile 208, with an C-terminal His
<b>Calculated MW</b>	19.7 kDa
<b>Observed MW</b>	19 kDa
<b>Accession</b>	P10767
<b>Bio-activity</b>	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <0.1 ng/mL. The specific activity of recombinant human FGF-6 is > 1 x 10 <sup>7</sup> IU/mg.

### Properties

<b>Purity</b>	> 98 % 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 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. 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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Background

FGF-6 belongs to the fibroblast growth factor (FGF) family. Members of this family 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. FGF6 plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis. It is also required for normal muscle regeneration. FGF6 gene displayed oncogenic transforming activity when transfected into mammalian cells.

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