

## Recombinant Human Heat Stable bFGF

Catalog Number: OM643741

### Characteristics:

<b>Source</b>	<i>E.coli</i>
<b>Description</b>	Human bFGF (Pro 143-Ser 288) with nine stabilizing amino acid substitutions Accession # P09038
<b>Predicted molecular mass</b>	17 kDa

### Specification:

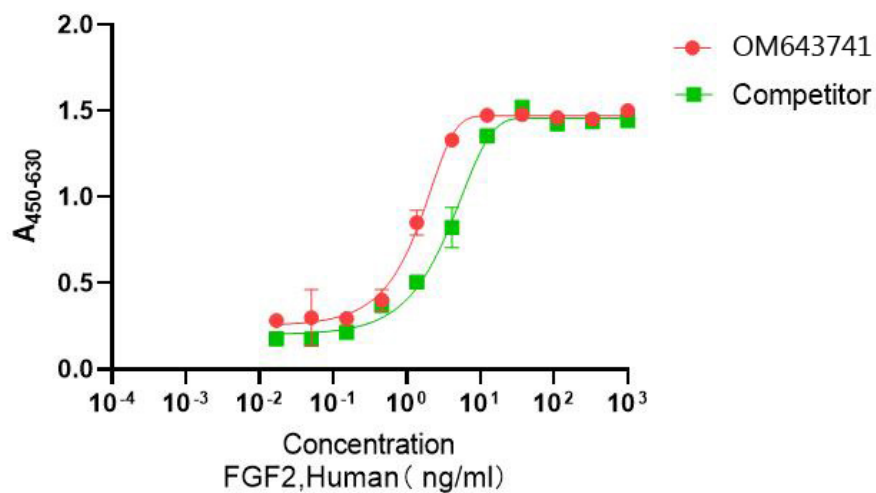
<b>Appearance</b>	White powder, Colorless clear liquid after reconstitution
<b>Purity</b>	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
<b>Endotoxin</b>	≤0.1EU/μg by the LAL method
<b>Activity</b>	Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED <sub>50</sub> for this effect ≤2.0 ng/mL.
<b>Formulation</b>	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
<b>Size</b>	50 μg/vial, 1 mg/vial

### Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	The product is shipped with blue ice.
<b>Storage &amp; Stability</b>	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b>

## Data:

### Bioactivity



Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED<sub>50</sub> for this effect ≤2.0 ng/mL.

The activity of OM643741 was higher than the other competing product.