

## KGF alternative peptide (FGFR2b agonist)

<b>Code</b>	PG-012
<b>MW (Acetate):</b>	6018.40
<b>Purity:</b>	≥95% (HPLC)
<b>Amount:</b>	10 µg

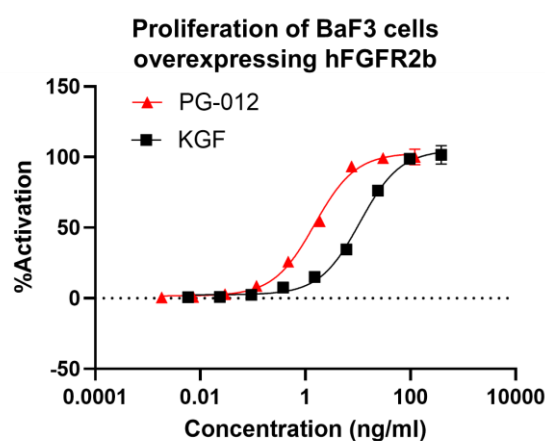
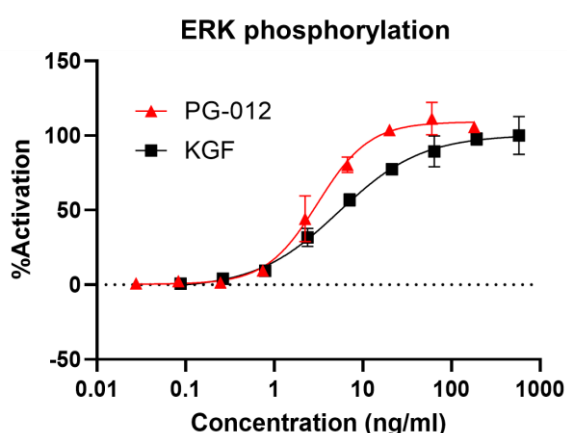
**Formulation:** This vial contains 10 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

**Reconstitution:** Reconstitute at 100~200 µg/mL in **DMSO**. Centrifuge the vial before opening.  
**Rinse the inside of the vial thoroughly with DMSO.**  
 When further diluting the DMSO solution, we recommend using a buffered solution (e.g., PBS) with a carrier component to prevent peptide adhesion.  
 <Example>  
 A 100 µg/mL solution can be prepared by reconstituting 10 µg of peptide in 100 µL DMSO.

**Storage:** Store at -20°C or below for the container vial unopened. Recommend to use the peptide as quickly as possible after opening and reconstitution.

**Activity:** Measured by assessing ERK phosphorylation in the downstream signaling of the FGFR2b pathway, using BaF3 cells overexpressing hFGFR2b. Additionally, cell proliferation was evaluated in the same BaF3 cells overexpressing hFGFR2b. These assays were conducted in the presence of 5 ng/mL of heparin. **The expected ED50 for these effects is 1.5~5 ng/mL.**

**Evaluation Guideline:** PG-012 is expected to **exhibit comparable activity at 1/3(ng/mL basis) of rKGF** concentration. Determine the optimal concentration under your test conditions by starting at 1/3 of rKGF and testing at several points around this concentration, such as 1x and 5x of KGF.



**This product is "For Research Use Only"**