

Designed For Stability

AI Modified Proteins for Cell Culture



FGF basic Heat Stable Protein

Experience the future of protein design with our AI modified proteins, engineered to solve cell culture challenges. Although similar in function to its wild type counterpart, FGF basic Heat Stable Protein offers superior performance providing:

- **Increased Stability:** Maintain high bioactivity at higher temperatures assuring activity for extended culture durations and minimizing the need for media exchanges.
- **Seamless Path to Clinic:** Equivalent bioactivity between RUO, Animal-free, and GMP proteins provides performance continuity from research to clinical applications.

Optimized for Thermal Stability

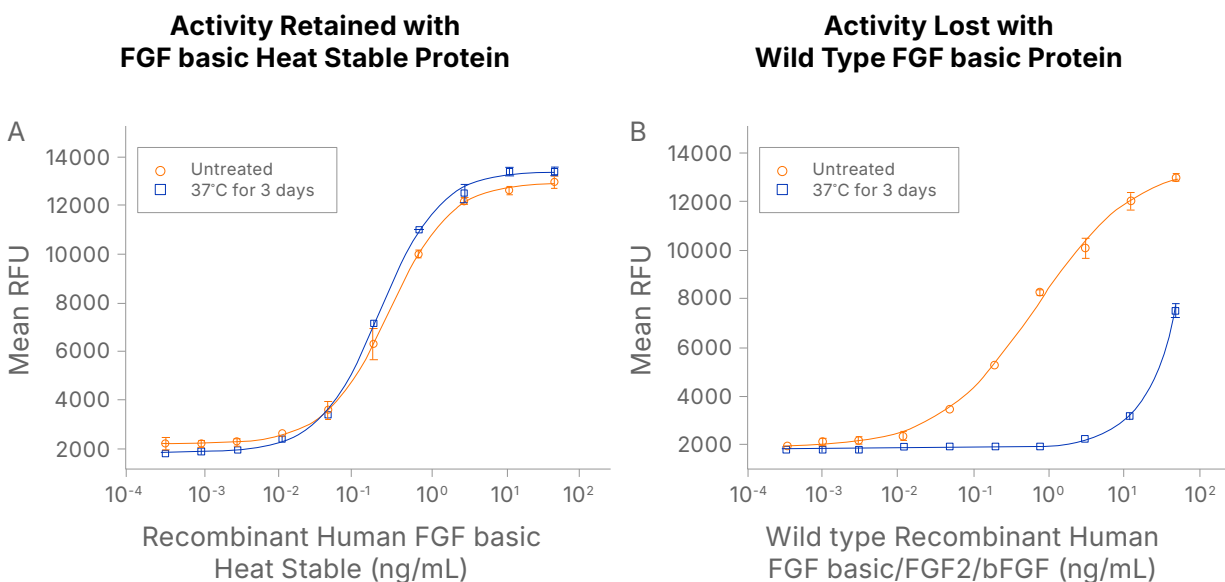


Figure 1. FGF basic Heat Stable Protein Displays Thermal Stability at Higher Temperatures Compared to Wild Type. Recombinant Human FGF basic Heat Stable Protein induces NR6R 3T3 mouse fibroblast cell proliferation. (A) Recombinant Human FGF basic Heat Stable Protein (Catalog# BT-FGFBHS) or (B) wild type (WT) Recombinant Human FGF basic/FGF2/bFGF Protein (Catalog# BT-FGFB) were untreated or incubated at 37°C for 3 days in media. Human FGF basic Heat Stable (HS) retained similar activity to the untreated HS protein indicating that the HS protein has increased thermal stability. In contrast, WT Recombinant Human FGF basic/FGF2/bFGF Protein significantly lost activity suggesting less thermal stability.

Seamless Transition From RUO to GMP

Similar Bioactivity of RUO, Animal-Free & GMP FGF basic Heat Stable Protein

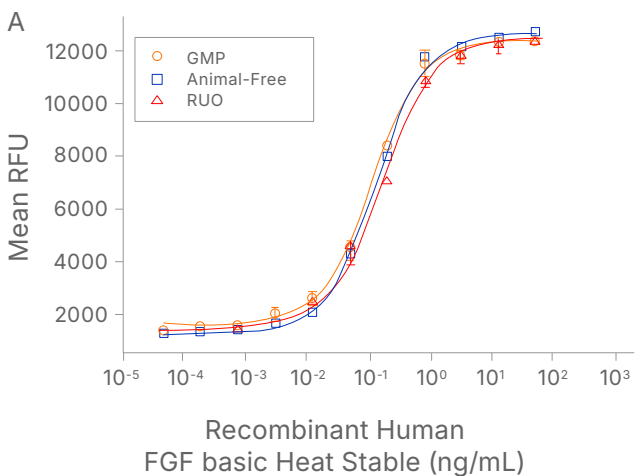


Figure 2. Equivalent Bioactivity of GMP, Animal-Free, and RUO grades of Recombinant Human FGF basic Heat Stable proteins.

Equivalent bioactivity of GMP (Catalog# BT-FGFBHS-GMP), Animal-Free (Catalog# BT-FGFBHS-AFL) and RUO (Catalog# BT-FGFBHS) grades of Recombinant Human FGF basic Heat Stable proteins as measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells (orange, blue, red, respectively).



Learn more about FGF basic Heat Stable Protein:

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