

**Recombinant Human
FGFbasic-TS™ (Fibroblast Growth Factor – Thermostable)**

Catalog # (Size): HZ-1285 (10µg) HZ-1286 (50µg) HZ-1291 (100µg) HZ-1287 (1000µg)

Product Description

- Endotoxin-free
- Animal-derived product free
- Available in Bulk
- Lyophilized and Carrier Free (CF)

Recombinant human FGFbasic-TS is expressed in human 293 cells. FGFbasic is a heparin-binding growth factor and critical for human embryonic stem cells to remain in an undifferentiated state during cell culture. FGFbasic-TS is a protein engineered FGFbasic to enhance its thermostability without modification of biological function. FGFbasic-TS consists of 154 amino acids as a 17 kDa, non-glycosylated monomer.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 0.5 ng/mL EC ₅₀
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	17 kDa, monomer, non-glycosylated
Formulation	1x PBS

Purity Confirmation

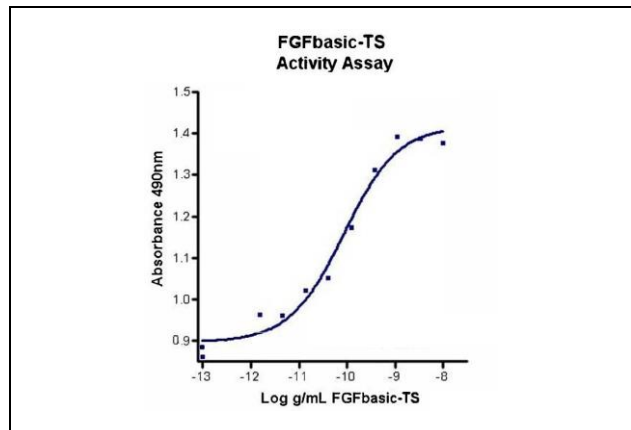
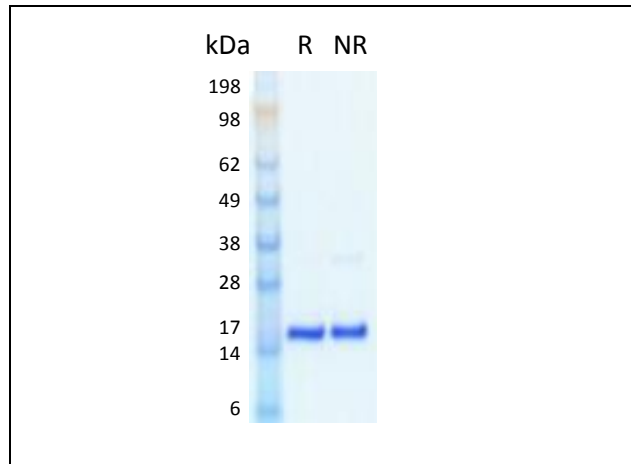
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of the Balb/c 3T3 cell line.



All HumaXpress® HumanKine™ are animal-component-free and Xeno-free™



Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1x PBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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