

Human FGF basic Protein, Ultra Low Endotoxin

Cat. No. FGF-HE001-UL

Description

Source	Recombinant Human FGF basic Protein is expressed from E.coli without tag It contains Pro143-Ser288.
Accession	P09038-4
Molecular Weight	The protein has a predicted MW of 16.5 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

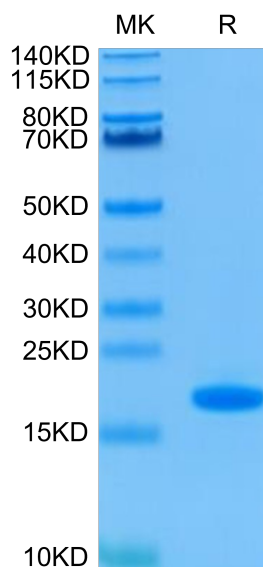
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4).
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

FGF basic is a member of the FGF family of at least 23 related mitogenic proteins which show 35-60% amino acid conservation. FGF acidic and basic, unlike the other members of the family, lack signal peptides and are apparently secreted by mechanisms other than the classical protein secretion pathway.

Assay Data

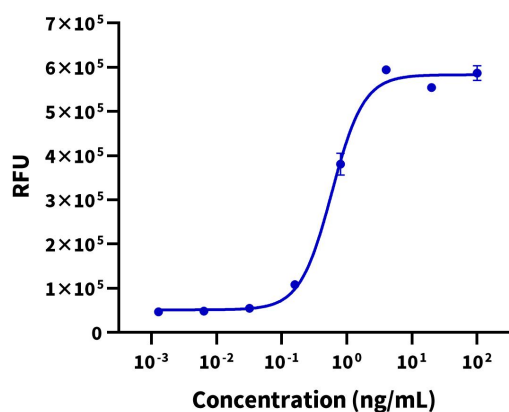
Bis-Tris PAGE



Human FGF basic on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Cell Based Assay

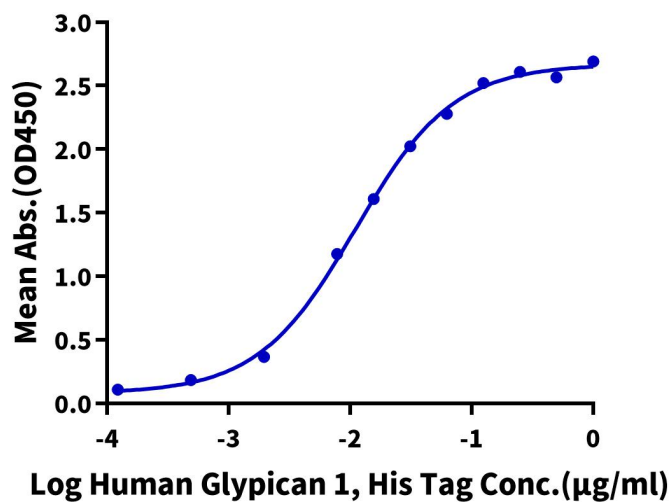
Recombinant Human FGF basic Bioactivity



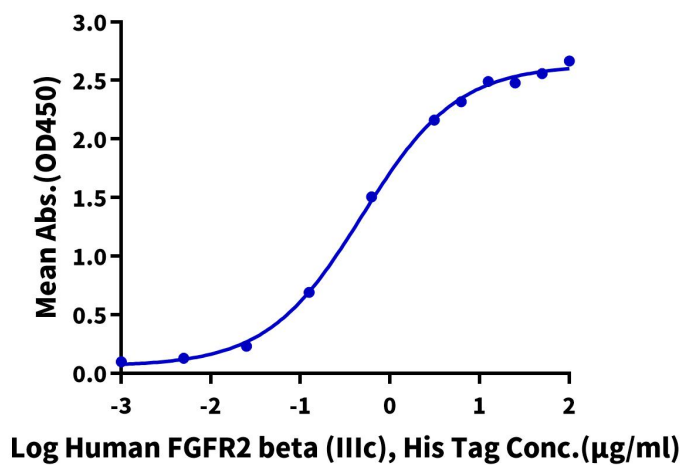
Measured in a cell proliferation assay using BALB/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is 0.1 - 0.6 ng/ml (QC Test).

ELISA Data

Assay Data

Human FGF basic, No Tag ELISA0.1 μ g Human FGF basic, No Tag Per Well

Immobilized Human FGF basic at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human Glypican 1, His Tag with the EC50 of 11.1ng/ml determined by ELISA.

Human FGF basic, No Tag ELISA0.5 μ g Human FGF basic, No Tag Per Well

Immobilized Human FGF basic, No Tag at 5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Human FGFR2 beta (IIIc), His Tag with the EC50 of 0.49 μ g/ml determined by ELISA.