# Human FGF basic (154aa) Protein

instructions.

Cat. No. FGF-HE002



Description	
Source	Recombinant Human FGF basic (154aa) Protein is expressed from E.coli without tag.
	It contains Ala135-Ser288.
Accession	P09038-4
Molecular Weight	The protein has a predicted MW of 17.12 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

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.

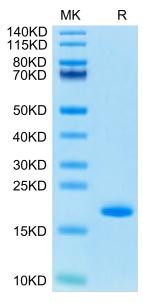
Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed

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**

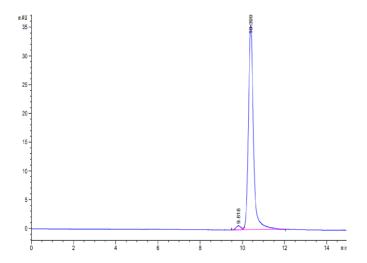


Human FGF basic (154aa) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC** 

# KAGTUS

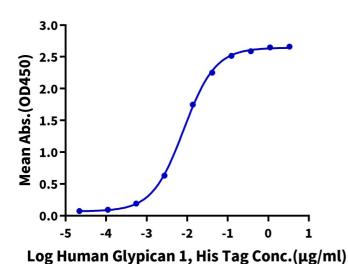
# **Assay Data**



The purity of Human FGF basic (154aa) is greater than 95% as determined by SEC-HPLC.

### **ELISA Data**

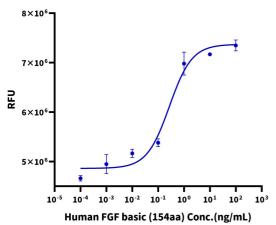
# Human FGF basic (154aa), No Tag ELISA 0.05µg Human FGF basic (154aa), No Tag Per Well



Immobilized Human FGF basic (154aa) at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human Glypican 1, His Tag with the EC50 of 8.2ng/ml determined by ELISA (QC Test).

# **Cell Based Assay**

# Recombinant Human FGF basic (154aa) Bioactivity



Measured in a cell proliferation assay using BALB/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is 0.1 - 0.5 ng/ml (QC Test).