

Datasheet for ABIN7274613
FGF2 Protein (AA 143-288)

3 Images

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Overview

Quantity:	100 µg
Target:	FGF2
Protein Characteristics:	AA 143-288
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human FGF basic Protein
Sequence:	Pro143-Ser288
Characteristics:	Recombinant Human FGF basic Protein is expressed from E.coli without tag.It contains Pro143-Ser288.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human FGF basic at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human Glypican 1, His Tag with the EC50 of 12.3ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	FGF2
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Target Details

Alternative Name:	FGF basic (FGF2 Products)
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.
Molecular Weight:	16.5 kDa same as Tris-Bis PAGE result.
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , C21-Steroid Hormone Metabolic Process , Inositol Metabolic Process , Glycosaminoglycan Metabolic Process , Protein targeting to Nucleus , S100 Proteins

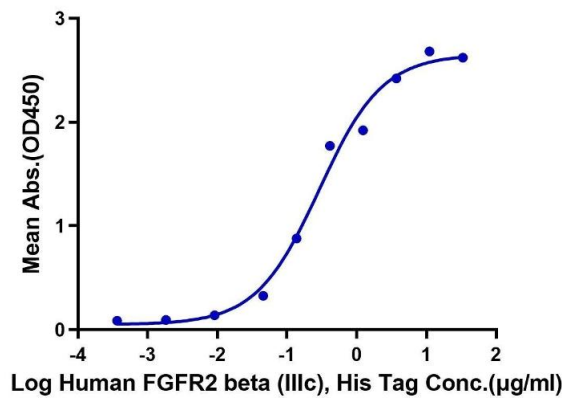
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

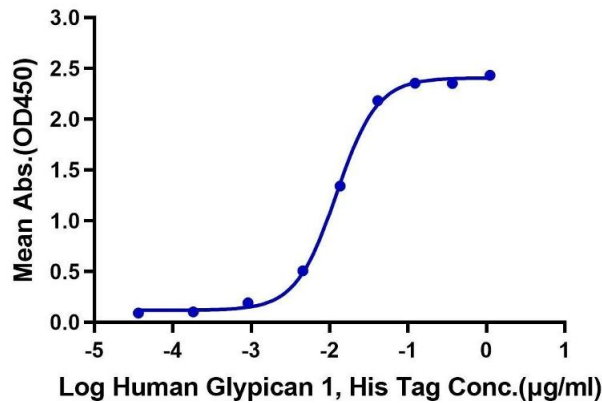
Human FGF basic, No Tag ELISA
0.5µg Human FGF basic, No Tag Per Well



ELISA

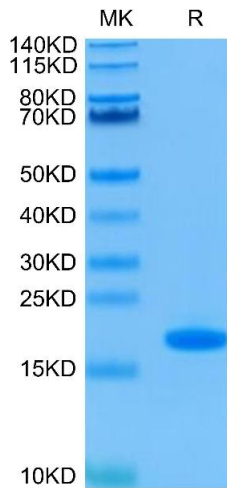
Image 1. Immobilized Human FGF basic at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human FGFR2 beta (IIIc) , His Tag with the EC50 of 0.29 µg/mL determined by ELISA.

Human FGF basic, No Tag ELISA
0.05µg Human FGF basic, No Tag Per Well



ELISA

Image 2. Immobilized Human FGF basic at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human Glypican 1, His Tag with the EC50 of 12.3 ng/mL determined by ELISA.



SDS-PAGE

Image 3. Human FGF basic on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .