

Datasheet: PHP130

Description:	RECOMBINANT HUMAN FGF 8
Name:	FGF 8
Other names:	FIBROBLAST GROWTH FACTOR 8
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	25 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			▪	
Western Blotting			▪	
Functional Assays	▪			0.1ng/ml - 20ng/ml

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the protein for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.25 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For extended storage, the addition of 0.1% Bovine Serum Albumin is recommended.
Preparation	Recombinant protein expressed in <i>Escherichia coli</i>
Preservative Stabilisers	None present.
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug

Approx. Protein Concentrations Total protein concentration 0.1 mg/ml after reconstitution

External Database Links

UniProt:
[P55075](#) [Related reagents](#)

Entrez Gene:
[2253](#) FGF8 [Related reagents](#)

Synonyms AIGF

Product Information **Recombinant human FGF8** is an *E. coli*-derived protein corresponding to amino acids 23-215 of [human fibroblast growth factor 8](#). FGF8 is a secreted peptide that promotes cell growth in an autocrine manner.

The peptide sequence contains an initiator methionine at the N-terminus and is homologous to the murine, canine and bovine sequences.

PHP130 has an ED₅₀ of <0.5ng/ml as determined by dose-dependent thymidine uptake in BaF3 cells expressing FGF receptors.

Protein Molecular Weight 22.4 kD (193 amino acid sequence)

Activity 2 x 10⁶ units/mg

Purity >95% by SDS PAGE and HPLC analysis

Storage Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 3 months from date of reconstitution

Health And Safety Information Material Safety Datasheet documentation #10527 available at: 10527: <https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf>

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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