

## Datasheet: PHP130

<b>Description:</b>	RECOMBINANT HUMAN FGF 8
<b>Name:</b>	FGF 8
<b>Other names:</b>	FIBROBLAST GROWTH FACTOR 8
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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.abdserotec.com/protocols](http://www.abdserotec.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 - lyophilised

### Reconstitution

Reconstitute with 25ul of 10mM TRIS pH 8.0.  
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AbD Serotec recommend that the vial is gently mixed after reconstitution.

### Preparation

Recombinant protein expressed in *Escherichia coli*

### Preservative Stabilisers

None present.

### Endotoxin Level

<0.1ng/ug

### Approx. Protein Concentrations

Total protein concentration 1.0mg/ml after reconstitution

### External Database Links

**UniProt:**  
[P55075](#) FGF8\_HUMAN [Related reagents](#)

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

### Synonyms

AIGF

### Product Information

PHP130 is an *E. coli*-derived recombinant protein corresponding to amino acids 23-215 of human fibroblast growth factor 8 (FGF 8), 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 ED<sub>50</sub> of <0.5ng/ml as determined by dose-dependent thymidine uptake in BaF3 cells expressing FGF receptors.

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<b>Protein Molecular Weight</b>	22.4kD (193 amino acid sequence)
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<b>Activity</b>	2 x 10 <sup>6</sup> units/mg
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<b>Purity</b>	>95% by SDS PAGE and HPLC analysis
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<b>Storage</b>	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.
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<b>Shelf Life</b>	3 months from date of reconstitution.
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<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10268 available at: <a href="http://www.abdserotec.com/uploads/MSDS/10268.pdf">http://www.abdserotec.com/uploads/MSDS/10268.pdf</a>
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<b>Regulatory</b>	For research purposes only
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