

## Datasheet: PHP130

**BATCH NUMBER 160823**

<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.bio-rad-antibodies.com/protocols](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Recombinant protein expressed in <i>Escherichia coli</i>
<b>Preservative Stabilisers</b>	None present.
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

<b>Approx. Protein Concentrations</b>	Total protein concentration 0.1 mg/ml after reconstitution
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P55075</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">2253</a> FGF8 <a href="#">Related reagents</a>
<b>Synonyms</b>	AIGF
<b>Product Information</b>	<p><b>Recombinant human FGF8</b> is an <i>E. coli</i>-derived protein corresponding to amino acids 23-215 of <a href="#">human fibroblast growth factor 8</a>. FGF8 is a secreted peptide that promotes cell growth in an autocrine manner.</p> <p>The peptide sequence contains an initiator methionine at the N-terminus and is homologous to the murine, canine and bovine sequences.</p> <p>PHP130 has an ED<sub>50</sub> of &lt;0.5ng/ml as determined by dose-dependent thymidine uptake in BaF3 cells expressing FGF receptors.</p>
<b>Protein Molecular Weight</b>	22.4 kD (193 amino acid sequence)
<b>Activity</b>	2 x 10 <sup>6</sup> units/mg
<b>Purity</b>	>95% by SDS PAGE and HPLC analysis
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.</p> <p>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.</p>
<b>Guarantee</b>	3 months from date of reconstitution
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10527 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP130">https://www.bio-rad-antibodies.com/SDS/PHP130</a> 10527
<b>Regulatory</b>	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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