

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

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M362357:200501'

