

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 - lyophilised
Reconstitution	Reconstitute with 0.25ml 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.
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	Total protein concentration 0.1mg/ml after reconstitution
External Database Links	UniProt: P55075 Related reagents Entrez Gene:

Synonyms	AIGF
Product Information	Recombinant human FGF8 is an <i>E. coli</i>-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	22.4kD (193 amino acid sequence)
Activity	2 x 10 ⁶ 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.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10527 available at: 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

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