

Datasheet: PHP105 BATCH NUMBER 169756

Description:	RECOMBINANT HUMAN FGF BASIC
Name:	FGF BASIC
Other names:	FGF2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	50 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 <u>www.bio-rad-antibodies.com/protocols</u> .				
		Yes	No	Not Determined	Suggested Dilution
	ELISA	•			0.2 - 0.4 ng/well
	Western Blotting	-			1.5 - 3.0 ng/lane
	Functional Assays	•			0.1 - 10 ng/ml
	Where this protein has n	ot been te	ested for u	se in a particular techr	nique this does not
	necessarily exclude its use in such procedures. Suggested working dilutions are given 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 pro	tein expre	essed in <i>E.</i>	coli - lyophilized	
Reconstitution	Reconstitute with 0.5 ml Tris (5mM, pH7.6). 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. Further dilutions may be prepared in a buffer containing a carrier protein (eg 0.1% BSA).				
Source	E.coli				
Buffer Solution	TRIS buffered saline.				
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: <u>P09038</u> <u>Related reagents</u>		
	Entrez Gene: <u>2247</u> FGF2 <u>Related reagents</u>		
Synonyms	FGFB		
Product Information	Recombinant Human FGF basic represents the C-terminal protion of human fibroblast growth factor 2 ($A^{135} - S^{288}$).		
	Fibroblast growth factor basic (FGF basic), also known as FGF 2, is a heparin binding growth factor which has stimulatory activity on a range of cells of mesenchymal, neuroectodermal and endothelial origin. Note: FGF basic is sensitive to acidic conditions.		
Protein Molecular Weight	17.2 kD (154 amino acid sequence)		
Activity	Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED_{50} is \leq 0.1 ng/ml, corresponding to a specific activity of \geq 1 x 10 ⁷ units/mg.		
Purity	>95% by SDS PAGE and HPLC analysis		
ELISA	This product may be used as a standard for ELISA applications with either <u>AHP1038</u> or <u>AHP1038B</u> .		
Western Blotting	This product may be used as the positive control for Wester Blot applications with either <u>AHP1038</u> or <u>AHP1038B</u> .		
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Storage	Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.					
	This product should be stored undiluted.					
	Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.					
Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.					
Health And Safety Information	Material Safety Datasheet documentation #10308 available at: https://www.bio-rad-antibodies.com/SDS/PHP105 10308					
Regulatory	For research purposes only					
North & South Tel: +1 800 265 America Fax: +1 919 878 Email: antibody_						
To find a batch/lot specil	ic datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M433696:241120'					
Printed on 20 Nov 2024						

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