Datasheet: PHP031

Description:	RECOMBINANT HUMAN FGF ACIDIC
Name:	FGF ACIDIC
Other names:	FGF 1
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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			▪	
Functional Assays	▪			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified - lyophilised
Reconstitution	Reconstitute with 50ul of 5mM Sodium Phosphate, pH 8.0. 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 vortexed after reconstitution and microcentrifuged before use.
Preparation	Recombinant protein expressed in *E. coli*.
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	1 mg/ml after reconstitution

External Database Links	**UniProt:** P05230 Related reagents **Entrez Gene:** 2246 FGF1 Related reagents
Synonyms	FGFA
Product Information	**Human FGF acidic**, also known as FGF 1 (fibroblast growth factor 1), is a member of the heparin-binding growth factor family, widely distributed in the peripheral and central nervous systems. FGF 1 acts as a potent neurotrophic factor, playing a key role during prenatal development and postnatal growth/regeneration and is dependent upon interactions with heparin sulfate (HS) proteoglycans located on cell surfaces and in the extracellular matrix, and the four high affinity tyrosine kinase receptors, designated FGFR-1,-2,-3 and -4. Bioactivity was determined by the dose-dependent stimulation of thymidine uptake by FGF receptor-expressing BaF3 cells. The ED_{50} is <10ng/ml.
Protein Molecular Weight	15.8 kDa (140 Amino Acid Sequence)
Activity	1 x 10^5 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. 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	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10277 available at: 10277: https://www.bio-rad-antibodies.com/uploads/MSDS/10277.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