

Datasheet: PHP204

Description:	RECOMBINANT HUMAN FGF 4
Name:	FGF 4
Other names:	FIBROBLAST GROWTH FACTOR 4
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.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
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 recombinant protein - lyophilised
Reconstitution	Reconstitute with 250ul distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AbD Serotec recommend that the vial is gently mixed after reconstitution.
Preparation	Purified recombinant FGF 4 expressed in <i>E.coli</i>
Preservative Stabilisers	None present
Endotoxin Level	<1EU/ug
Approx. Protein Concentrations	0.1mg/ml
External Database Links	<p>UniProt: P08620 FGF4_HUMAN Related reagents</p> <p>Entrez Gene: 2249 FGF4 Related reagents</p>
Synonyms	HST, HSTF1, KS3
Product Information	FGF 4 (fibroblast growth factor 4) is a member of the heparin-binding growth factors family which act as promoters of cellular differentiation and proliferation, and therefore play key roles in embryonic development, morphogenesis, tissue regeneration and tumour growth and invasion. Studies have shown that FGF 4 signals through binding to the FGF Receptors (FGFRs) 1c, 2c, 3c, and 4.
Molecular Weight	19.7kD (182 amino acid residues)

Activity	The ED ₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is ≤ 0.5 ng/ml, corresponding to a specific activity of ≥ 2 x 10 ⁶ units/mg.
Purity	>95% by SDS PAGE and HPLC analysis
Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10268 available at: http://www.abdserotec.com/uploads/MSDS/10268.pdf
Regulatory	For research purposes only

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