



## **Product Datasheet**

# Recombinant Human Fibroblast Growth Factoracidic (rHuaFGF ) (orb1495079)

Description	FGF acidic, also known as FGF-1 and endothelial cell growth factor, is a member of the FGF family of mitogenic peptides which currently is comprised of at least seven proteins which show 35-55% amino acid sequence conservation. FGF acidic and basic, unlike the other members of the family, lack signal peptides and are apparently secreted by mechanisms other than the classical protein secretion pathway. FGF acidic has been detected in large amounts in the brain. Other cells known to express FGF acidic include hepatocytes, vascular smooth muscle cells, CNS neurons, skeletal muscle cells, fibroblasts, keratinocytes, endothelial cells, intestinal columnar epithelium cells and pituitary basophils and acidophils. As with other FGF's, FGF acidic exhibits considerable species crossreactivity. FGF acidic and FGF basic stimulate the proliferation of all cells of mesodermal origin, and many cells of neuroectodermal, ectodermal and endodermal origin.
Endotoxins	Less than 1EU/mg of rHu aFGF as determined by LAL method.
Preservatives	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.
Form/Appearance	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.
Storage	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Note	For research use only
Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C. Further dilutions should be made in appropriate buffered solutions.

#### **Biorbyt Ltd.**

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Protein Sequence	MFNLPPGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDTDGLLYGSQTPNEECLFLERL EENHYNTYIS KKHAEKNWFV GLKKNGSCKR GPRTHYGQKA ILFLPLPVSS D
Purity	> 95% by SDS-PAGE and HPLC analyses.
Source	Escherichia coli.
MW	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 140 amino acids.
Expiration Date	6 months from date of receipt.

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