

Product: Fibroblast Growth Factor-acidic Sf9 derived, Human Recombinant
Catalog #: 11-FGFa-Sf9
Amount: 5 µg

DESCRIPTION: Recombinant Human FGF-a (FGF-1) produced in Sf9 insect cells, is a single, glycosylated, polypeptide chain containing 140 amino acids and having a molecular mass of 15803 Dalton.
The rHuFGF-a-Sf9 is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Asn-Leu-Pro.

SOURCE: *Baculovirus.*

PURITY: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuFGF-a-Sf9.

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified in 10mM Tris pH=7.6 and 100mM NaCl

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a calibrated solution of FGF-a as a Reference Standard.

BIOLOGICAL ACTIVITY: rHuFGF-a-Sf9 is fully biologically active when compared to standards.
The ED50, calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by ³H-thymidine uptake) is <10 ng/ml, corresponding to a specific activity of 10⁵ Units/mg.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles

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489 Common Street, Belmont, MA 02478, USA; Email: info@arpl.com or staff@arpl.com
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120