

Recombinant Human Acidic FGF1

ORDERING INFORMATION

Catalog No.: 45101

Size: 20ug

SPECIFICATION SUMMARY

Source: Genetically-engineered *E. coli*.

Molecular Weight: 15,000 daltons

Purity: >90%

Diluent: 0.1% trifluoroacetic acid +
40% acetonitrile.

Preservatives: None

PURIFICATION

Purified by heparin affinity
chromatography and HPLC; single band
at 1ug on silver-stained SDS-PAGE.

BIOLOGICAL ACTIVITY

The activity of acidic FGF at 1-10ng/ml
is determined by a cellular proliferation
assay using mouse fibroblasts. The
optimal concentration of this product for
use with other cell types must be
determined by the end user.

SPECIFICITY

In the presence of heparin, 45101 binds
to most cells that express FGF receptor;
binds to all known isoforms of FGF
receptor.

DILUTION INSTRUCTIONS

Dilute with either 0.1% TFA/40%
acetonitrile or PBS/0.1% CHAPS for
best stability and to prevent absorption
of product on walls of containers.

STORAGE AND STABILITY

This product is stable for at least one (1)
year at -20°C to -70°C. Keep frozen
until use. Store product in appropriate
aliquots to avoid multiple freeze-thaw
cycles.

REFERENCE

Burgess, WH and Maciag, T (1989)
Annual Rev Biochem 58: 575.

*For in vitro investigational use only. Not
for use in therapeutic or diagnostic
procedures.*

Material Safety Data Sheet Recombinant Human Acidic FGF1 (product no. 45101)

This product is for *in vitro* investigational use only and is not intended for therapeutic or diagnostic procedures.

The information below is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. QED Bioscience shall not be liable for any damage resulting from handling or from contact with the above product.

Hazardous Ingredients

The physical, chemical, and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves, and protective clothing. Direct physical contact with the product should be avoided.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Formula</u>	<u>Percent</u>
Trifluoroacetic acid	76-05-1	C ₂ HF ₃ O ₂	0.1%
Acetonitrile	75-05-8	C ₂ H ₃ N	40%

Physical Data

This product consists of purified protein shipped on dry ice. The physical properties of this product have not been thoroughly investigated.

Fire and Explosion Hazard and Reactivity Data

The information below describes the following components in an undiluted state:

Trifluoroacetic acid

Non-flammable, non-explosive, stable under recommended storage conditions.

Acetonitrile

Flammable liquid, vapors may form explosive mixture with air, stable under recommended storage conditions.

Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been thoroughly investigated. Avoid contact with skin and eyes. Avoid inhalation or ingestion.

Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, ingestion, contact with eyes, skin, or clothing.

Spill and Leak Procedures

Observe all federal, state, and local environmental regulations.

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Contact a licensed professional waste disposal service to dispose of this material.

First Aid Measures

- If inhaled, move person into fresh air and consult a physician.
- In case of skin contact, wash contacted area with soap and water and consult a physician.
- In case of eye contact, rinse eye(s) thoroughly with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician.