Recombinant Protein Technical Manual

Recombinant Human FGF8a/FGF-8a Protein (Active)

RPES3095

Product Data:

Product SKU: RPES3095

Size: 50µg

Species: Human

Expression host: E. coli

Uniprot: NP_149355.1

Protein Information:

Molecular Mass: 21.3 kDa

AP Molecular Mass:

Tag:

Bio-activity: Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.8-3.3 µg/mL.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.5

Reconstitution: Please refer to the printed manual for detailed information.

Application: Cell Culture

Synonyms: AIGF;FGF-8;HBGF-8;HH6;KAL6

Immunogen Information:

Sequence: Gln23-Arg204

Background:

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogensis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants.