

FGF-8a Protein, Human, Recombinant V2

General Information

Synonyms:	fibroblast growth factor 8 (androgen-induced);HBGF-8;KAL6;HH6;FGF-8;AIGF;NEWENTRY
Protein Construction:	Gln23-Arg204
Species:	Human
Expression Host:	E. coli
Accession:	P55075-2
Molecular Weight:	21.20 kDa (Predicted and reducing conditions)

QC Testing

Biological Activity:	Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.5-1 µg/mL.
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in 20 mM Tris-HCl, 300mM NaCl (pH 8.5).

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Two of the four human FGF8 splice isoforms, FGF8a and FGF8b, are expressed in the mid-hindbrain region during development. Although the only difference between these isoforms is the presence of an additional 11 amino acids at the N terminus of FGF8b, these isoforms possess remarkably different abilities to pattern the midbrain and anterior hindbrain.

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