

Recombinant Human/Mouse FGF-8b

Catalog No : PMK2111

Known As: Fibroblast growth factor 8; Androgen-induced growth factor; Heparin-binding growth factor 8; AIGF; HBGF-8; FGF-8B

PROPERTIES

Description	Recombinant Human/Mouse Fibroblast Growth Factor 8B is produced by our E.coli expression system and the target gene encoding Gln23-Arg215 is expressed
Accession	P55075-3/P37237-2
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,300mM NaCl,2% Sucrose,0.02% Tween 80,pH7.4.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/µg as determined by LAL test.
Predicted Mol Mass	22.5 KDa
Apparent Mol Mass	23 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background	Fibroblast growth factor 8 (FGF8) is a member of the fibroblast growth factor family. It is discovered as a growth factor essential for the androgen-dependent growth of mouse mammary carcinoma cells. Mouse FGF8b shares 100% aa identity with human FGF8b. FGF8 is widely expressed during embryogenesis, and mediates epithelial-mesenchymal transitions. It plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. It is required for normal brain, eye, ear, limb development during embryogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system.

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