

Active Recombinant Human FGF8 Protein

Cat. No. FGF8-771H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human FGF8a (NP_149355.1) (Gln23-Arg204) was expressed with an initial Met. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 23-204 a.a. |
| Predicted N Terminal | Met |
| Form | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.5, 5% ~ 8% trehalose and mannitol. |
| 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. |
| Molecular Mass | The recombinant human FGF8a consists 183 amino acids and predicts a molecular mass of 21.3 kDa. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Purity | >95 % as determined by SDS-PAGE. |
| Stability | Samples are stable for up to twelve months from date of receipt at -70°C. |

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| Storage | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| GENE INFORMATION | |
| Gene Name | FGF8 fibroblast growth factor 8 (androgen-induced) [Homo sapiens] |
| Official Symbol | FGF8 |
| Synonyms | FGF8; fibroblast growth factor 8 (androgen-induced); fibroblast growth factor 8; AIGF; androgen-induced growth factor; heparin-binding growth factor 8; KAL6; FGF-8; HBGF-8; MGC149376; |
| Gene ID | 2253 |
| mRNA Refseq | NM_001206389 |
| Protein Refseq | NP_001193318 |
| MIM | 600483 |
| UniProt ID | P55075 |
| Chromosome Location | 10q25-q26 |
| Pathway | Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and |

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activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2c ligand binding and activation, organism-specific biosystem; FGFR3 ligand binding and activation, organism-specific biosystem;

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