

Active Recombinant Human FGF8 Protein

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

SPECIFICATION

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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