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Human recombinant FGF-8a (Fibroblast growth factor-8a) protein, AF

Catalog Number: PROTP55075-4

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Overview

Product Name	Human recombinant FGF-8a (Fibroblast growth factor-8a) protein, AF
Description	Fibroblast Growth Factors-8a (FGF-8a) is a 23.5 kDa member of the fibroblast Growth Factors with 204 amino acid residues. FGF-8 is an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In embryogenesis function, FGF8 is necessary in limb, brain, eye and ear formation.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 22.14 kDa. The protein migrates as 23 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is <2 ug/mL.

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Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MQHVREQSLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRINAMAEDGDPFAKLIVETDTFGSRVRVRGAETGLYICMNKKGKLIAKSNGKGKDCVFTE IVLENNYTALQNAKYEGWYMAFTRKGRPRKGSKTRQHQREVHFMKRLPRGHHTTEQSLRFEFLNYPPFTRSLRGSQRTWAPEPR with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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Usage

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