FGF-10/FGFA/KGF2, Human, Recombinant

Cat. No. : PCK128

General Information

Synonyms	FGFA;Keratinocyte Growth Factor-2
Species	Human
Expression host	E.coli
Sequence	MLGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIEKNGKVSG TKKENCPYSILEITSVEIGVVAVKAINSNYYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYA SFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS with polyhistidine tag at the C-terminus.
Accession	O15520.1
Tag	His-tag at the C-terminus
Mol mass	20.06 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 8 ng/mL. The specific activity of recombinant human FGF-10 is > 1.2 × 10^5 IU/mg.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Fibroblast growth factor 10 is a protein that in humans is encoded by the FGF10 gene. FGF-10 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-10 is most related to KGF/FGF-7 and is expressed during the development and preferentially in adult lungs.