



Human FGF-10 Recombinant Protein

产品货号	产品名称	储存条件	保质期
PR0003	Human FGF-10 Recombinant Protein	-20℃to-80℃	4 年

产品简介:

Synonyms	Fibroblast Growth Factor-10, FGFA, Keratinocyte Growth Factor-2
Description	FGF-10 is a heparin-binding growth factor that belongs to the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-10 is most related to KGF/FGF-7, and is expressed during the development and, preferentially, in adult lungs. It signals through FGFR 2b. Recombinant Human FGF-10 is a 19.3 kDa protein consisting of 170 amino acid residues.
Sequence	MLGQDMVSPE ATNSSSSSFS SPSSAGRHRV SYNHLQGDVR WRKLFSFTKY FLKIEKNGKV SGTKKENCPY SILEITSVEI GVVAVKAINS NYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV ALNGKGAPRR GQKTRRKNTS AHFLPMVVHS

Storage & Handling

Handling	Centrifuge vial prior to opening. Do not vortex after reconstitution. Avoid repeated freeze-thaw cycles.
Reconstitution	Initially reconstitute in 5mM Sodium Phosphate, pH 7.4 to 0.1-1.0 mg/ml. Store at 2° C to 8° C for up to 1 week or prepare for extended storage.
Extended Storage	After initial reconstitution, further dilute in a buffer containing a carrier protein or stabilizer (e. g. 0.1%BSA). Store working aliquots at -20℃to -80℃.

Storage/Stability

Product Form	Temperature	Storage Time
Lyophilized	-20°C to -80°C	December 2029
Lyophilized	4°C	6 months
Lyophilized	Room Temperature	1 month
Reconstituted	2°C to 8°C	1 week
Extended Storage	-20°C to -80°C	3 months

Specifications

Formulation	Sterile filtered through a 0.2-micron filter. Lyophilized from 5mM Sodium Phosphate pH 7.4 + 80mM NaCl.
Authenticity	Verified by N-terminal and Mass Spectrometry analyses (when applicable).
Purity	≥ 95% by SDS-PAGE gel and HPLC analyses.
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg).
Protein Content	Verified by UV Spectroscopy and/or SDS-PAGE gel
Biological Activity	<p>Assay #1: Determined by dose-dependent ability to reduce tetrazolium salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF receptors using Cell Counting Kit-8 (CCK-8). The expected ED50 is ≤ 0.5 ng/ml corresponding to a specific activity of ≥ 2 x 10⁶ units/mg.</p> <p>Assay #2: Determined by a cell proliferation assay using 4MBr-5 cells. The expected ED50 for this effect is 0.5-15.0 ng/ml.</p>

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北京伊事达科技有限公司

电话: 13564444959

官网: www.followme-shop.com

地址: 北京市海淀区东北旺西路58号尚科办公社区C区一楼



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