# 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	GF-10 is a heparin-binding growth factor that belongs to the FGF family. Proteins of this family play a central role durinprenatal evelopment, postnatal growth and regeneration of a variety of tis ues, by promoting cellular proliferation and differentiation. FGF 10 is most related to KGF/FGF-7, and is expressed during the dev lopment and, preferentially, in adult lungs. It signals through FG R 2b. Recombinant Human FGF-10 is a 19.3 kDa protein consisting o 170 amino acid residues.	
Sequence	MLGQDMVSPE ATNSSSSSFS SPSSAGRHVR SYNHLQGDVR WRKLFSFTKY FLKIEKNGKV SGTKKENCPY SILEITSVEI GVVAVKAINS NYYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV ALNGKGAPRR GQKTRRKNTS AHFLPMVVHS	

### Storage & Handling

Hondling	Centrifuge vial prior to opening. Do not vortex after reconstitution.	
Handling	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 1week or prepare for extended	
	storage.	
Extended	After initial reconstitution, further dilute in a buffer containing	
	a carrier protein or stabilizer(e.g. 0.1%BSA).Store working aliquots	
Storage	at −20°C to −80°C.	



#### 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°Cto8°C	1 week	
Extended Storage	-20°C to-80°C	3 months	

#### Specifications

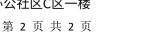
Formulation	Sterile filtered through a 0.2-micron filter. Lyophilized from 5mM	
rormutation	Sodium Phosphate pH 7.4 + 80mM NaCl.	
A 1	Verified by N-terminal and Mass Spectrometry analyses (when appli	
Authenticity	cable).	
Purity	$\geqslant$ 95% by SDS-PAGE gel and HPLC analyses.	
Endotoxin	Endotoxin level is<0.lng/ $\mu$ g of protein(< 1 EU/ $\mu$ g).	
Protein		
Content	Verified by UV Spectroscopy and/or SDS-PAGE gel	
	Assay #1: Determined by dose-dependent ability to reduce tetrazolium	
	salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF	
Biological	receptors using Cell Counting Kit-8 (CCK-8). The expected ED50 is $\leqslant$	
Activity	0.5 ng/ml corresponding to a specific activity of $\ge$ 2 x 106 units/mg.	
	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.	

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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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