


CA 104951	HumanKine™ FGF-7			
	Prod. No. S2309-10UG	lot #: PR1XXXXXX XXXX	Orders & Support	866 372-7442 support@primorigen.com
	<i>For Research Use Only Not intended for use in humans or animals</i>		Web	www.primorigen.com

Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	17 to 30 kDa, monomer, glycosated
Activity	Typically 10 to 40 ng/uL
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background: Recombinant human FGF-7 expressed in engineered human cells. FGF-7 is a 17 and 30 kDa monomeric glycoprotein and is a member of Fibroblast Growth Factor family. FGF-7 was initially found in conditioned medium of a cell line established from human embryonic lung fibroblasts. This factor is secreted by human embryonic fibroblasts and in large amounts by fibroblast-like stromal cells in epithelial tissues. It plays an important role in tissue repair. FGF-7 is also important in the growth control of normal epithelial cells and stimulates the proliferation of primary and secondary human keratinocytes.

Note: Representative data are shown below (not Lot-specific).

Formulation:

Lyophilized in 10mM Tris-HCl pH 7.4, 700mM NaCl.

Reconstitution:

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile water containing 0.1% endotoxin-free recombinant human serum albumin.

Storage and Stability:

Lyophilized products are stable for one year at -20°C to -80°C from date of receipt. Store only at -20°C to -80°C in working aliquots. Avoid repeated freeze-thaw cycles.

Quality Control Testing

Assay:

The specific activity was determined by the dose-dependent stimulation of the proliferation of 4MBr-5 cells (monkey epithelial cell line).

Purity Confirmation:

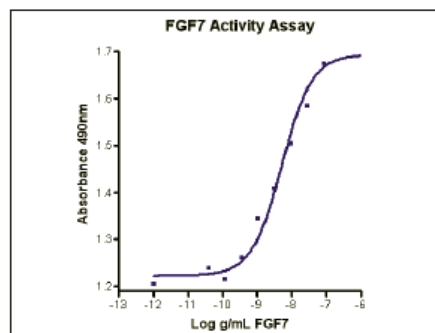
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

References:

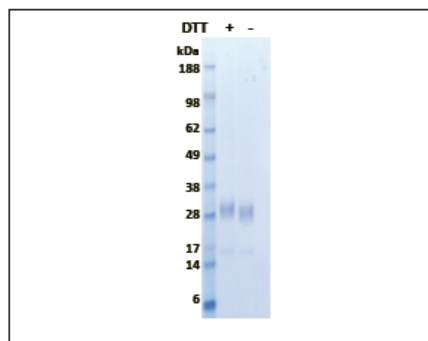
Rubin, J. S., *et al* (1989) *PNAS* 86, 802-806
Rubin, J. S., *et al* (2006) *J Natl cancer Inst.* 98, 812-24

**All HumanKine™ cytokines are expressed in HEK 293 cells. HumanKine™ is a trademark of HumanZyme Inc.*

A. Activity Assay



B. SDS-PAGE



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