


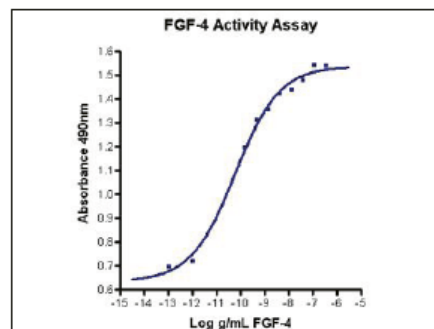
CA 1049	HumanKine™ FGF-4			
	Prod. No. S2307-10UG	lot #: PR1XXXXXX XXXX	Orders & Support	866 372-7442 support@primorigen.com
	<i>For Research Use Only Not intended for use in humans or animals</i>		Web	www.primorigen.com

Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	17-27 kDa, monomer, glycosated
Activity	Typically .25-1.25 ng/uL
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

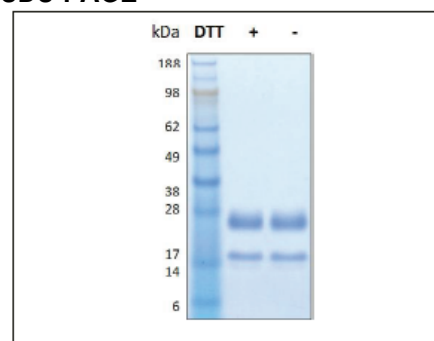
Background: Recombinant human FGF-4 expressed in engineered human cells. FGF-4 is a 17 and 27 kDa monomeric glycoprotein and is a member of Fibroblast Growth Factor family. FGF-4 regulates embryonic development and has been shown to be overexpressed in multiple cancer cell lines. FGF-4 is a known marker for induced pluripotent stem (iPS) cells.

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

A. Activity Assay



B. SDS-PAGE



Formulation:

Lyophilized from a 0.2 micron filtered solution in PBS.

Reconstitution:

Briefly centrifuge before opening. It's recommended to reconstitute the protein in sterile PBS 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 the Balb/3T3 cell line.

Purity Confirmation:

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

References:

Kosaka, N., *et al* (2009) *Dev Dyn* 238, 265-276
 Lee, S. Y., *et al* (2000) *Molecules and Cells* 10, 684-691

**All HumanKine™ cytokines are expressed in HEK 293 cells.
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