


CA1069	HumanKine™ IL-17F			
	Prod. No. S2327-10UG	lot #: PRXXXXXX 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

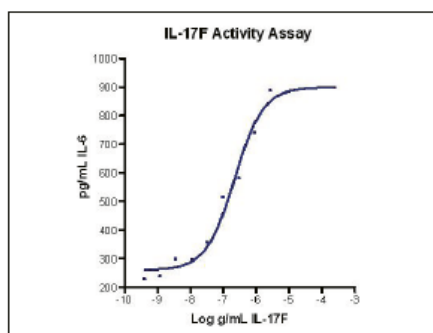
Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	38 kDa homodimer, glycosylated
Activity	Typically 100 to 500 ng/mL ED50
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background:

Recombinant human IL-17F expressed in engineered human cells. IL-17F is a 38 kDa glycosylated disulfide linked homodimer with 40% homology to IL-17A and belongs to the IL-17 protein family. IL-17F promotes the production of TGF beta, G-CSF, IL-6. IL-17F stimulates peripheral blood mononuclear cell proliferation as well as T-cell proliferation and inhibits endothelial angiogenesis. IL-17F is important in cartilage matrix turnover.

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

A. Activity Assay



Formulation:

Lyophilized in PBS.

Reconstitution:

Briefly centrifuge the vial before opening. It is 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 induction of IL-6 secretion from NHDF Adult fibroblasts.

Purity Confirmation:

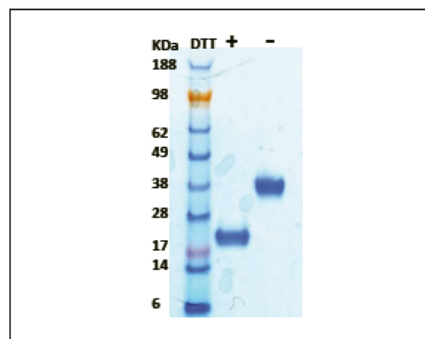
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

References:

Yang, X. O., et al (2008) JEM 205, 1063-1075
Bettelli, E., et al (2008) Nature 453, 1051-1057

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

B. SDS-PAGE



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