

## Product datasheet for **TP728244**

### Recombinant IL-17F (Interleukin-17F), Human

#### Product data:

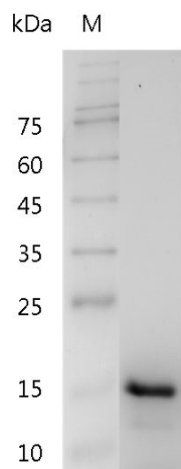
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant IL-17F (Interleukin-17F), Human
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MRKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQRVMSRNIESRSTSPWNYVTWDPNRYPSEVVQ AQCRLGCAINAQGKEDISMNSVPIQQETLVVRRKHQGCVSFQLEKVLVTVGCTCVTPVIHHVQ with polyhistidine tag at the C-terminus.
<b>Tag:</b>	His Tag (C-term)
<b>Predicted MW:</b>	The protein has a calculated MW of 15.84 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
<b>Purity:</b>	>98% as determined by SDS-PAGE.
<b>Buffer:</b>	The protein was lyophilized from a 0.2 µm filtered solution containing 20 mM sodium acetate, pH 4.0.
<b>Bioactivity:</b>	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED <sub>50</sub> for this effect is <20 ng/mL.
<b>Endotoxin:</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Reconstitution Method:</b>	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
<b>Applications:</b>	Cell culture
<b>Storage:</b>	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
<b>UniProt ID:</b>	<a href="#">Q96PD4</a>
<b>Synonyms:</b>	CANDF6, IL-17F, ML-1, ML1



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**Summary:**

Interleukin 17F (IL-17F) predicts a molecular mass of 30.1 kDa, is a cytokine of innate and adaptive immune system involved in antimicrobial host defense and maintenance of tissue integrity. It is involved in the development of inflammation and host defense against infection by inducing the expression of genes that encode other proinflammatory cytokines, such as tumor necrosis factor, interleukin 1, interleukin 6 and some members of the colony-stimulating factor family.

**Product images:**

SDS- PAGE analysis of recombinant human IL-17F