

## Product datasheet for **TP728266**

### Recombinant IL-36 gamma (Interleukin-36 gamma), Human

#### Product data:

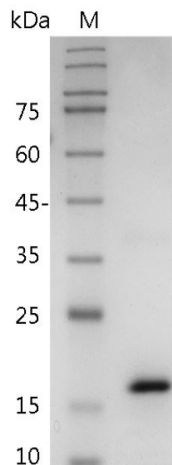
Product Type:	Recombinant Proteins
Description:	Recombinant IL-36 gamma (Interleukin-36 gamma), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSMCKPITGTINDLNQQVWTLQGQNLVAVPRSDSVTPVTVAVITCKYPEALEQGRGDPYILGIQNPENCLYCEKVGEPPTLQLKEQKIMDLYGQPEPVKPFYRAKTGRTSTLESVAFPDWFIASSKRQPIILTSELGKSYNTAFELNIND with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 17.98 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.
Bioactivity:	Measure by its ability to induce IL-8 secretion in A431 cells. The ED <sub>50</sub> for this effect is <5 ng/mL.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	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.
Applications:	Cell culture
Storage:	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.
UniProt ID:	<a href="#">Q9NZH8</a>
Synonyms:	IL-1F9, IL-1ε (epsilon), IL-1H1, L1RP2, IL-1RP2



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**Summary:**

Interleukin-36 gamma (IL-36 $\gamma$ ) consists of 134 amino acids. IL-36 $\gamma$  is a member of the interleukin-1 cytokine family. It plays a significant role in immune responses, particularly in inflammatory reactions, which are essential for binding with interleukin-1 receptor and serves as receptor agonists, enabling cytokine activity and generating pro-inflammatory.

**Product images:**

SDS- PAGE analysis of recombinant human IL-36 gamma