

PRODUCT INFORMATION

IL-36 gamma (Interleukin-36 gamma), Mouse

v. 231101

Catalog number	C02039-5UG / C02039-20UG / C02039-100UG
Package	5 µg / 20 µg / 100 µg
Description	The expression of IL-36γ is high in psoriatic plaques and in tissues including epithelial cells. Signaling of IL-36γ through the IL-1Rrp2 receptor, which is mainly expressed on certain dendritic cells. The interaction between the IL-36 ligands and IL-1Rrp2 receptor trigger dendritic cell maturation and activation. IL-36γ also work as an agonist of NF-κB, consequently, stimulate the inflammatory response in bronchial epithelial cells.
Source	<i>Escherichia coli</i>
Sequence	MGRETPDFGEVFDLDQQVWIFRNQALVTVPRSHRVTPVSVTILPCKYPESLEQ DKGIAIYLGIQNPDKCLFCKEVNGHPTLLLKEEKILDLYHHPEPMKPFLFYHTRT GGTSTFESVAFPGHYIASSKTGNPIFLTSSKKGEYYNINFNLDIKS with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED ₅₀ for this effect is <15 ng/mL. The specific activity of recombinant mouse IL-36 gamma is > 6 x 10 ⁴ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse IL-36 gamma

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