

Active Recombinant Mouse Il36g Protein, His-Tagged

Cat. No. Il36g-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il36g Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
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.
Form	Lyophilized powder
AA Sequence	MGRETPDFGEVFDLDQQVWIFRNQALVTVPRSHRVTPVSVTILPCKYPESLEQDKGI AIYLGIQNPDKCLFCKEVNGHPTLLLKEEKILDLYHHP EPMKPFLFYHTRTGGTSTFESVAFPGHYIASSKTGNPIFLTSSKGEYYNINFNLDIKS with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED50 for this effect is <15 ng/mL. The specific activity of recombinant mouse IL-36 gamma is > 6 x 10 ⁴

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	IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

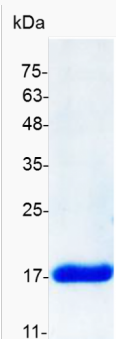
GENE INFORMATION

Gene Name	Il36g interleukin 36G [Mus musculus (house mouse)]
Official Symbol	Il36g
Synonyms	If36g; Il1f9; IL-36gamma
Gene ID	215257
mRNA Refseq	NM_153511.3
Protein Refseq	NP_705731.2
UniProt ID	Q3U0P4

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