

Active Recombinant Mouse Il36g Protein (Gly13-Ser164), C-His tagged, Animal-free, Carrier-free

Cat. No. Il36g-81M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il36g Protein (Gly13-Ser164) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Gly13-Ser164
Description	Interleukin 36 gamma (IL-36 gamma) is a 17.65 kDa cytokine with 159 amino acid residues. IL-36 gamma is a member of the IL-1 family and is mainly expressed in keratinocytes, bronchial epithelial cells, macrophages, and monocyte. This cytokine responds to multiple pathogen-associated molecular patterns (PAMPs) and participates in the inflammatory response. In addition, it also induces the production of pro-inflammatory cytokines like IL-12, IL-1 β , IL-6, TNF- α , and IL-23.
Form	Lyophilized
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 $\times 10^4$ IU/mg.
Molecular Mass	The protein has a calculated MW of 18.27 kDa. The protein migrates about 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
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.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Il36g interleukin 36G [Mus musculus (house mouse)]
Official Symbol	Il36g
Synonyms	Il36g; interleukin 36G; If36g; Il1f9; IL-36gamma; interleukin-36 gamma; IL-1F9; interleukin 1 family, member 9
Gene ID	215257
mRNA Refseq	NM_153511

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Protein Refseq NP_705731

UniProt ID Q8R460

SDS-PAGE analysis
of recombinant
mouse IL-36 gamma.

kDa

75

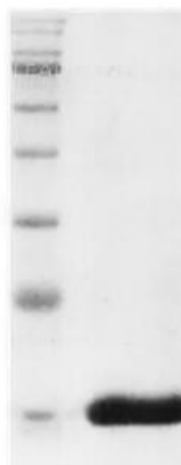
63

48

35

25

17



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