

Recombinant Active Mouse IL36G Protein, His-tagged(C-ter)

Cat. No. IL36g-199M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Active Mouse IL36G Protein with His tag (C-ter) was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	<p>The protein encoded by this gene is a member of the interleukin 1 cytokine family. The activity of this cytokine is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1Rrp2), and is specifically inhibited by interleukin 1 family, member 5 (IL1F5/IL-1 delta). Interferon-gamma, tumor necrosis factor-alpha and interleukin 1, beta (IL1B) are reported to stimulate the expression of this cytokine in keratinocytes. The expression of this cytokine in keratinocytes can also be induced by a contact hypersensitivity reaction or herpes simplex virus infection. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013]</p>
Form	Powder
Bio-activity	Determined 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 IU/mg.
AA Sequence	MGRETPDFGEVFDLDQQVWIFRNQALVTVPRSHRVTPVSVTILPCKYPESLEQDKGI

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AIYLGIQNPKCLFCKEVNGHPTLLLKEEKILDLYHHPEPMKPFLFYHTRTGGTSTFE
SVAFFPGHYIASSKTGNPIFLTSSKKGEYYNINFNLDIKS

Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	Il36g interleukin 36G [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il36g
Synonyms	Il36g; interleukin 36G; If36g; Il1f9; IL-36gamma;
Gene ID	215257

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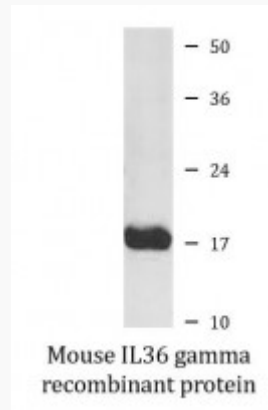
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mRNA Refseq [NM_153511](#)

Protein Refseq [NP_705731](#)

UniProt ID [Q3U0P4](#)

SDS-PAGE



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