Recombinant Human IL36G Protein

Cat. No. IL36G-85H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin-36 gamma is produced by our E.coli expression system and the target gene encoding Ser18-Asp169 is expressed.
Species	Human
Source	E.coli
ProteinLength	Ser18-Asp169
Description	Interleukin-36 gamma (IL-36γ) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36α, β, and γ, formerly known as IL-1F6, F8, and F9 respectively. IL-36α has been detected in both neuronal and synovial tissue, whereas IL-36β and IL-36γ are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36β and IL-36γ stimulate proliferation, maturation and/or cytokine expression by innate immune cells (such as keratinocytes and dendritic cells), and adaptive immune cells (neutrophils and T-cells) in both humans and mice. The activity of IL-36α is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1R-rp2), and is specifically inhibited by interleukin 1 family, member 5 (IL1F5/IL-1 delta). IL-36γ plays an important role in communicating the cell death to surrounding cells.
Form	Lyophilized from a 0.2 um filtered solution of 20mM Tris,100mM Nacl, 0.1mM EDTA, pH8.0.

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AA Sequence	SMCKPITGTINDLNQQVWTLQGQNLVAVPRSDSVTPVTVAVITCKYPEALEQGRGD PIYLGIQNPEMCL YCEKVGEQPTLQLKEQKIMDLYGQPEPVKPFLFYRAKTGRTSTL ESVAFPDWFIASSKRDQPIILTSELG KSYNTAFELNIND
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	IL36G interleukin 36 gamma [Homo sapiens (human)]
Official Symbol	IL36G
Synonyms	Interleukin-36 gamma; IL36G; IL-1-related protein 2; IL-1 epsilon; Interleukin-1 homolog 1; IL1E; IL1F9; IL1H1; IL-1F9; IL-1H1; IL1RP2; IL-1RP2
Gene ID	56300
mRNA Refseq	NM_019618.4

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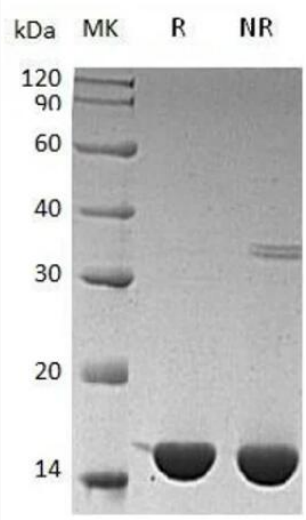
Protein Refseq	NP_062564.1
MIM	605542
UniProt ID	Q9NZH8
SDS-PAGE	

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