

Product Datasheet

Human IL36G protein (orb594810)

Catalog Number orb594810

Category Proteins

Description Recombinant Human Interleukin-36 gamma(IL36G) (Active)

Tag Tag-Free

Form/Appearance Lyophilized powder

Buffer/Preservatives Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 100 mM NaCl, 0.1 mM EDTA,

pH 8.0

Purity Greater than 95% as determined by SDS-PAGE.

Protein Sequence SMCKPITGTINDLNQQVWTLQGQNLVAVPRSDSVTPVTVAVITCKYPEALEQGRGDPIYLGI

QNPEMCLYCEKVGEQPTLQLKEQKIMDLYGQPEPVKPFLFYRAKTGRTSTLESVAFPDWFIA

SSKRDQPIILTSELGKSYNTAFELNIND

Protein Length Full Length of Mature Protein

UniProt ID Q9NZH8

MW 17 kDa

Application notes Full Length of Mature Protein

Endotoxins Less than 1.0 EU/μg as determined by LAL method.

Source E.coli

Biological Origin Homo sapiens (Human)

Biological Activity The ED50 as determined by its ability to induce IL-8 secretion in A431 human

epithelial carcinoma cells is 5-20 ng/ml.

Expression Region 18-169aa

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Storage

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.

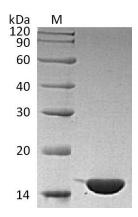
Background

Interleukin-36 gamma (IL-36 γ) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36 α , β , and γ , formerly known as IL-1F6, F8, and F9 respectively. IL-36 α has been detected in both neuronal and synovial tissue, whereas IL-36 β and IL-36 γ are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36 β and IL-36 γ 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-36 α 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-36 γ plays an important role in communicating the cell death to surroun

Note For research use only

Expiration Date

6 months from date of receipt.



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.