IL-36gamma Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: IL-1F, IL-1? (epsilon), IL-1H1

Cat. No.:

RBG10036G002	(2 µg)
RBG10036G010	(10 µg)
RBG10036G100	(100 µg)

Description

The IL-1 family is comprised of 11 structurally related ligands, including recently re-named IL-36 alpha (IL-1F6), beta (IL-1F8) and ? (IL-1F9). IL-36? is highly expressed in psoriatic plaques and in tissues containing epithelial cells. IL-36? signals through the IL-1Rrp2 (IL-1R6) receptor, which is primarily expressed on certain dendritic cells. The interaction of the IL-1Rrp2 receptor with IL-36 ligands induces dendritic cell maturation and activation. IL-36? also functions as an agonist of NF-?B, and can stimulate the inflammatory response in bronchial epithelial cells. Recombinant Human IL-36? is a 17.0 kDa protein containing 152 amino acid residues.

Research topic

Diabetology - Other Relevant Products, Immune Response, Infection and Inflammation, Neural tissue markers, Oncology

Amino Acid Sequence

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SMCKPITGTI NDLNQQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDPIYL GIQNPEMCLY CEKVGEQPTL
QLKEQKIMDL YGQPEPVKPF LFYRAKTGRT STLESVAFPD WFIASSKRDQ PIILTSELGK SYNTAFELNI ND
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Source

E. coli

Purity

95%

Biological Activity

Measured by its ability to induce IL-8 production by human PBMCs.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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