IL-36beta Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: IL-1F8 , IL-1H2, IL-1 eta

Cat. No.:

RBG10036B002	(2 µg)
RBG10036B010	(10 µg)
RBG10036B100	(100 µg)

Description

The IL-1 family is comprised of 11 structurally related ligands, including recently re-named IL-36alpha (IL-1F6), beta (IL-1F8) and ? (IL-1F9). IL-36beta is highly expressed in psoriatic plaques, and at lower levels in various other tissues. IL-36beta 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-36beta also functions as an agonist of NF-?B, and stimulates the production of pro-inflammatory proteins, including IL-6, IL-8, BD-2, and BD-3. Recombinant Human IL-36beta is a 17.3 kDa protein containing 154 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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MREAAPKSYA IRDSRQMVWV LSGNSLIAAP LSRSIKPVTL HLIACRDTEF SDKEKGNMVY LGIKGKDLCL FCAEIQGKPT
LQLKEKNIMD LYVEKKAQKP FLFFHNKEGS TSVFQSVSYP GWFIATSTTS GQPIFLTKER GITNNTNFYL DSVE
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Source

E. coli

Purity

98%

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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