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IL-36β, Human recombinant protein
IL-1F8, IL-1H2, IL-1 eta, IL-1F8
Catalog # PBV10745r

Specification

IL-36β, Human recombinant protein - Product info

Primary Accession	Q9UBH0
Calculated MW	**17.3 kDa KDa**

IL-36β, Human recombinant protein - Additional Info

Gene ID	**26525**
Gene Symbol	**IL36B**
Other Names	
IL-1F8, IL-1H2, IL-1 eta, IL-1F8	
Gene Source	**Human**
Source	**E.coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Sequence	**MREAAPKSYA IRDSRQMVWV LSGNSLIAAP LSRSIKPVTL HLIACRDTEF SDKEKGNMVY LGIKGKDLCL FCAEIQGKPT LQLKEKNIMD LYVEKKAQKP FLFFHNKEGS TSVFQSVSYP GWFIATSTTS GQPIFLTKER GITNNTNFYL DSVE**

Target/Specificity
IL-36β

Application Notes
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.

Format
Lyophilized powder

Storage
-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.5.

IL-36β, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IL-36β, Human recombinant protein - Images

IL-36β, Human recombinant protein - Background

The IL-1 family is comprised of 11 structurally related ligands, including recently re-named IL-36α (IL-1F6), β (IL-1F8) and γ (IL-1F9). IL-36β is highly expressed in psoriatic plaques, and at lower levels in various other tissues. IL-36β 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-36β also functions as an agonist of NF-kappaB, and stimulates the production of pro-inflammatory proteins, including IL-6, IL-8, BD-2, and BD-3. Recombinant human IL-36β is a 17.3 kDa protein containing 154 amino acid residues.

IL-36β, Human recombinant protein - References

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Debets R.,et al.J. Immunol. 167:1440-1446(2001).
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