

IL-36 β , Human recombinant protein
IL-1F8, IL-1H2, IL-1 eta, IL-1F8
Catalog # PBV10745r**Specification****IL-36 β , Human recombinant protein - Product info**

Primary Accession [O9UBH0](#)
Calculated MW **17.3 kDa KDa**

IL-36 β , 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; $\geq$ 98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **MREAAPKSYA IRDSRQMVWV LSGNSLIAAP
LSRSIKPVTI HLIACRDTEF SDKEKGNMVY
LGIKGDLCI FCAEIQGKPT LQLKEKNIMD
LYVEKKAQKP FLFFHNKEGS TSVFQSVSYP
GWFIATSTTS GQIFLTKEK GITNNTNFYL
DSVE**

Target/Specificity
IL-36 β

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-36 β , Human recombinant protein - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-36 β , Human recombinant protein - Images**IL-36 β , Human recombinant protein - Background**

The IL-1 family is comprised of 11 structurally related ligands, including recently re-named IL-36 α (IL-1F6), β (IL-1F8) and γ (IL-1F9). IL-36 β is highly expressed in psoriatic plaques, and at lower levels in various other tissues. IL-36 β 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 β 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-36 β is a 17.3 kDa protein containing 154 amino acid residues.

IL-36 β , Human recombinant protein - References

Smith D.E., et al. J. Biol. Chem. 275:1169-1175(2000).
Mulero J.J., et al. Biochem. Biophys. Res. Commun. 263:702-706(1999).
Barton J.L., et al. Eur. J. Immunol. 30:3299-3308(2000).
Debets R., et al. J. Immunol. 167:1440-1446(2001).
Busfield S.J., et al. Genomics 66:213-216(2000).