

IL-36γ, Human recombinant protein
IL-1F, IL-1ε (epsilon), IL-1F9, IL-1H1
Catalog # PBV10746r**Specification**

IL-36γ, Human recombinant protein - Product info

Primary Accession [O9NZH8](#)
Calculated MW **17.0 kDa KDa**

IL-36γ, Human recombinant protein - Additional Info

Gene ID	56300
Gene Symbol	IL36G
Other Names	
IL-1F, IL-1ε (epsilon), IL-1F9, IL-1H1	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	SMCKPITGTI NDLNQQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDP IYL GIQNPEMCLY CEKVGEQPTL QLKEQKIMDL YGQPEPVKPF LFYRAKTGRT STLESVAFPD WFIASSKRDQ PIILTSELGK SYNTAFELNI ND

Target/Specificity
IL-36γ

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 7.0 and 50 mM NaCl.

IL-36γ, 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 γ , Human recombinant protein - Images

IL-36 γ , 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 γ is highly expressed in psoriatic plaques and in tissues containing epithelial cells. IL-36 γ 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 γ also functions as an agonist of NF-kappaB, and can stimulate the inflammatory response in bronchial epithelial cells. Recombinant human IL-36 γ is a 17.0 kDa protein containing 152 amino acid residues.

IL-36 γ , Human recombinant protein - References

Kumar S., et al. J. Biol. Chem. 275:10308-10314(2000).
Debets R., et al. J. Immunol. 167:1440-1446(2001).
Busfield S.J., et al. Genomics 66:213-216(2000).
Nicklin M.J.H., et al. Genomics 79:718-725(2002).
Clark H.F., et al. Genome Res. 13:2265-2270(2003).