



Recombinant Human IL-36 gamma (IL-1F9)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-092S
Size:	2 µg
Lot. No.:	According to product label

Sequence

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

Database References

Protein RefSeq:	NP_062564.1
Uniprot ID:	Q9NZH8
mRNA RefSeq:	NM_019618.3

Scientific Background

Gene-ID (NCBI):	56300
Synonyms:	IL1E; IL1F9; IL1H1; IL-1F9; IL-1H1; IL1RP2; IL-1RP2

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.

Product Specifications

Expressed in	E. coli
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	152
MW:	17 kDa

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



AVOID REPEATED FREEZE AND THAW CYCLES!