

IL-36 γ , Human Recombinant

CATALOG #:	7111-10	10 μ g
	7111-50	50 μ g
ALTERNATE NAMES:	IL-1F, IL-1 ϵ (epsilon), IL-1F9, IL-1H1	
SOURCE:	E.coli	
PURITY:	\geq 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	17.0 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/ μ g of protein (<1EU/ μ g).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.0 and 50 mM NaCl.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

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.

DESCRIPTION:

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.

BIOLOGICAL ACTIVITY:

Measured by its ability to induce IL-8 production by human PBMCs

AMINO ACID SEQUENCE:

SMCKPITGTI NDLNQQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL
EQGRGDPIYL GIQNPMECLY CEKVGEQPTL QLKEQKIMDL YGQPEPVKPF
LFYRAKTGRT STLESVAFPD WFIASSKRQD PIILTSELGK SYNTAFELNI ND

RELATED PRODUCTS:

- IL-36RA, human recombinant (Cat # 7109-10, -50)
- IL-36 β , mouse recombinant (Cat # 7110-10, -50)
- IL-17A, mouse recombinant (Cat # 7105-10, -50)
- IL-17B, human recombinant (Cat # 7106-10, -50)
- Human Cell^{exp} Human Recombinant IL-17A (Cat # 6468-10, -50)
- Human Cell^{exp} Human Recombinant IL-17F (Cat # 6469-10, -50)
- IL-17, murine recombinant (Cat # 4177-10, -1000)
- IL-17A, human recombinant (Cat # 4176-25, -1000)
- IL-17A, rat recombinant (Cat # 4178-25, -1000)
- IL-17A/F, human recombinant (Cat # 4176AF-10, -50, -1000)
- IL-17E, human recombinant (Cat # 4176E-25, -1000)
- IL-17E, murine recombinant (Cat # 4177E-25, -100, -1000)
- IL-17E, rat recombinant (Cat # 4178E-25, -100, -1000)
- IL-17F, human recombinant (Cat # 4176F-25, -1000)
- IL-17F, murine recombinant (Cat # 4177F-25, -100, -1000)
- IL-17F, rat recombinant (Cat # 4178F-25, -100, -1000)
- IL-17 Antibody (Cat # 5176-200)

FOR RESEARCH USE ONLY! Not to be used in humans.