

## 32-12214: Mouse Interleukin-36 gamma (AF)

**Gene :** Il36g  
**Uniprot ID :** Q8R460  
**Alternative Name :** Interleukin-36 gamma, Interleukin-1 family member 9, IL-1F10

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 17.5 kDa (153 aa)

Interleukin 36 gamma (IL-36 gamma) is a member of the interleukin 1 (IL-1) cytokine family and protects against pathogens in the skin, lung, and stomach epithelial barriers. IL-36 gamma binds the interleukin-1 receptor accessory protein (IL-1RAcP) and the orphan IL-1R-related protein 2 (IL-1Rrp2) receptors to activate NF- $\kappa$ B and MAP kinase signaling pathways, resulting in the induced production of inflammatory cytokines and chemokines.

### Product Info

**Amount :** 20  $\mu$ g / 100  $\mu$ g  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq$  95%  
Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
**Content :** Sterile 10 mM sterile HCl at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MGRETPDFGE VFDLDQQVWI FRNQALVTVP RSHRVTPVSV TILPCKYPES LEQDKGIAIY LGIQNPKCL FCKEVNGHPT LLLKEEKILD LYHHPEPMKP FLFYHTRTGG TSTFESVAFP GHYIASSKTG NPIFLTSKKG EYYNINFNLD IKS

### Application Note

**Endotoxin:** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialled to compensate for this loss.

