

## GFM50AF Recombinant Mouse IL-27 / p28 subunit (Animal-Free)

### Description

The p28 subunit of interleukin-27 (IL-27), also known as interleukin-30 (IL-30), is a member of the interleukin-12 (IL-12) family of cytokines. p28 is a 28 kDa polypeptide that associates with the Epstein-Barr virus induced gene 3 (EBI-3) to form the IL-27 cytokine heterodimer complex. IL-27 functions as a proinflammatory cytokine that induces immunomodulatory effects in naive CD4+ T cells, mast cells, and monocytes. p28 can also form a complex with Cytokine-Like Factor 1 (CLF), that is secreted by dendritic cells, to regulate Natural Killer (NK) and T cell function.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

<b>Length</b>	207 aa
<b>Molecular Weight</b>	23.7 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	Q8K316
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

### Specifications

<b>Alternative Names</b>	IL-30, P28, IL-27 p28 subunit, interleukin-27, interleukin 27, IL27, IL 27
<b>Biological Activity</b>	Activity to be determined.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium bicarbonate, pH 8.5
<b>AA Sequence</b>	MFPTDPLSLQ ELRREFTVSL YLARKLLSEV QGYVHSFAES RLPGVNLDLL PLGYHLPNVS LTFQAWHHLSDSERLCFLAT TLRPFAMLG GLGTQGTWTS SEREQLWAMR LDLRDLHRHL RFQVLAAGFK CSKEEEDKEE EEEEEEEKK LPLGALGGPN QVSSQVSWPQ LLYTYQLLHS LELVLSRAVR DLLLLSLPRR PGS AWDS

### Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.