CELL guidance systems

DATA SHEET

RESEARCH USE ONLY
www.cellgs.com

GFM50 Recombinant Mouse IL-27 / p28 subunit

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.

Length	207 aa
Molecular Weight	23.7 kDa
Source	E. coli
Accession Number	Q8K3I6
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

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

Preparation and Storage

Reconstitution	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.
Stability and Storage	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.