

## Recombinant mouse IL-27 protein, C-His (Active, CHO)

Catalog Number: bs-48059P

Species: Mouse

AA Seq: Y19P228 & F29S234

Predicted MW: 48.8

Tags: C-His

Activity: Yes

Endotoxin:  $\leq 10$  EU/mg

Purity:  $\geq 95\%$  as determined by SDS-PAGE.

Purification: AC

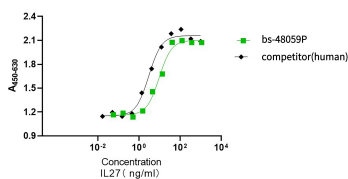
Form: Lyophilized

Storage: Lyophilized from a 0.2 $\mu$ m filtered solution containing PBS, 5% Mannitol and 0.1% CHAPs, pH7.4

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

**Background:** The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR). [provided by RefSeq, Jul 2008]

### VALIDATION IMAGES



Measured in a VSV inhibition assay with Wish cells. The ED50 is  $\leq 1$  ng/ml.