

Datasheet for ABIN6700104 **IL-27 Protein**



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Overview

Quantity:	100 µg
Target:	IL-27 (IL27)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	IL-27/p28 Mouse Recombinant Protein
Purification:	Purity was determined to be approximately 97% as determined by reducing and non-reducing SDS-PAGE.
Purity:	97,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein (with a 50% confidence range).
Biological Activity Comment:	Mouse p28 biological activity was measured via dose-dependent inhibition of TGFβ and IL-6-induced IL-17A expression in mouse CD4 splenocytes. 50ng/ml of Mouse p28 is capable of inhibiting >25% of IL-17A expression in this assay. no acceptance criteria limits established.

Target Details

Target:	IL-27 (IL27)
Alternative Name:	IL27 (IL27 Products)
Background:	Synonyms: Interleukin-27 subunit alpha, IL-27 subunit alpha, IL-27-A cytokine, IL27-A, p28, IL-30

Target Details

Background: Mouse IL-27/p28 Subunit, also known as Interleukin-30, is a member of the IL-12 family of cytokines. When combined with EB13 (Epstein-Barr virus induced gene 3), the heterodimer formed is IL-27. Mouse p28 is a proinflammatory cytokine inducing immunomodulatory effects. Current research is underway to delineate specific biological functions. Recombinant mouse p28 is a single-chain 207 amino acid peptide with a mass of approximately 23,697 Daltons.

UniProt: [Q8K3I6](#)

Application Details

Application Notes:	Other: User Optimized Application_Note: IL-27/p28 protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-IL-27/p28 in immunological assays. .
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Concentration:	0.1 mg/mL
Buffer:	Buffer Formulation: 10 mM sodium bicarbonate, pH 8.5
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months