

Active Recombinant Mouse Il27 Protein, His-Tagged

Cat. No. Il27-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il27 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	IL-27 protein is a member of the IL-6 superfamily, which is expressed on monocytes, endothelial cells and dendritic cells. It is also referred to as the IL-12 p35-related protein. IL-27 protein is an early product of activated antigen-presenting cells and drives rapid clonal expansion of naive CD4(+) T cells and plays a role in the early regulation of Th1 cells initiation which drives efficient adaptive immune response. It has an antiproliferative activity on melanomas through WSX-1/STAT1 signaling. Thus, IL-27 protein may be an attractive candidate as an antitumor agent applicable to cancer immunotherapy.
Form	Lyophilized powder
AA Sequence	MALVALSQPRVQCHASRYPVAVDCSWTPLQAPNSTRSTSFIATYRLGVATQQQSQP CLQRSPQASRCTIPDVHLFSTVPYMLNVTAVHPG GASSLLAFVAERIIKPDPPEGVRLRTAGQRLQVLWHPPASWPFPDIFSLKYRLRYR RRGASHFRQVGPIEATTFTLRNSKPHAKYCIQVSAQ DLTDYGKPSDWSLPGQVESAPHKP with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Bio-activity	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <5 ng/mL
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 20 mM sodium carbonate, 0.2M NaCl, pH 4.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	IL27 interleukin 27 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL27
Synonyms	p28; IL30; IL-27; IL27-A; IL-27-A; IL-27p28
Gene ID	246779
mRNA Refseq	NM_145636.2
Protein Refseq	NP_663611.1

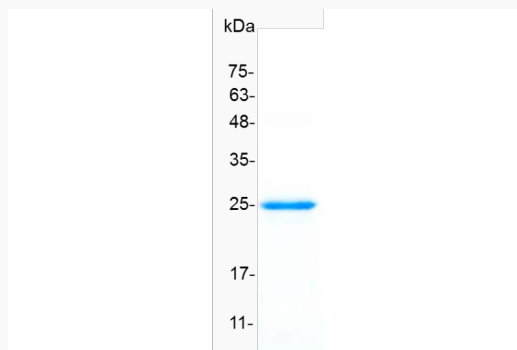
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UniProt ID

Q8K3I6

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