

Recombinant Mouse Il16 Protein, His-Tagged

Cat. No. Il16-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il16 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin 16 (IL-16) is a cytokine that is released by a variety of cells (including lymphocytes and some epithelial cells) that has been characterized as a chemoattractant for certain immune cells expressing the cell surface molecule CD4. The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins.
Form	Lyophilized powder
AA Sequence	MHDLNSSTDSAASASAASDISVESKEATVCTVTLEKTSAGLGFSLEGGKGS LHGDKP LTINRIFKGDRTGEMVQPGDEILQLAGTAVQGLTRF EAWNVIKALPDGPVTIVIRRTSLQCKQTTASADS with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography

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Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O 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	Il16 interleukin 16 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il16
Synonyms	mKIAA4048
Gene ID	16170
mRNA Refseq	NM_001360087.1
Protein Refseq	NP_001347016.1
UniProt ID	O54824

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