

Recombinant Mouse Il16 protein

Cat. No. Il16-548M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il16 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	118
Description	Interleukin-16 (IL-16) is also called lymphocyte chemoattractant factor (LCF) and it is mostly secreted by lymphocytes, epithelial cells, eosinophils, and CD8+ T cells. It has many functions including induction of the IL-2R α on T cells, suppression of human immunodeficiency virus (HIV) replication, inhibition of T-cell antigen receptor/CD3 mediated T-cell stimulation in mixed lymphocyte reactions and so on. It signals through CD4 receptor. Furthermore, recombinant murine interleukin-16 contains 118 amino acid residues and it shares about 85 % a.a. sequence identity with different isoforms of human IL-16.
Form	Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral T lymphocytes is in a concentration range of 1.0-100 ng/ml.
Molecular Mass	Approximately 12.2 kDa, a single non-glycosylated polypeptide chain containing 118 amino acids.

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AA Sequence	SAASASAASDISVESKEATVCTVTLEKTSAGLGFSLEGGKGS LHGDKPLTINRIFKGT EQGEMVQPGDEILQLAGTAVQGLTRFEAWNVIKALPDGPVTIVIRRTSLQCKQTTAS ADS
Endotoxin	Less than 1 EU/g of rMuIL-16 as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	IL16
Official Symbol	IL16
Synonyms	IL16; interleukin 16; pro-interleukin-16; mKIAA4048; KIAA4048;
Gene ID	16170
mRNA Refseq	NM_010551

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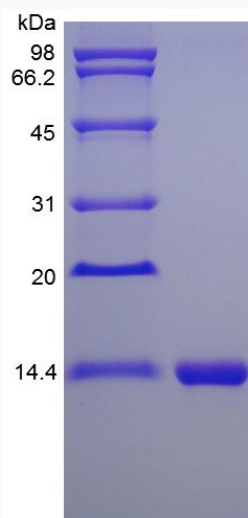
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Protein Refseq NP_034681

UniProt ID O54824

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