

# Recombinant Mouse Il16 Protein (His499-Ser624), C-His tagged, Animal-free, Carrier-free

**Cat. No.** Il16-51M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Il16 Protein (His499-Ser624) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | His499-Ser624                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Interleukin 16 (IL-16) predicts a molecular mass of 13.5 kDa, 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, and signaling process of this cytokine is mediated by CD4. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 14.04 kDa.<br>The protein migrates about 17 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                                    |
| <b>Endotoxin</b>        | < 0.1 EU/μg of the protein by the LAL method.                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95% as determined by SDS-PAGE analysis.                                                                                                                                                                                                                                            |
| <b>Storage</b>          | This product is stable after storage at:                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

-20 centigrade for 12 months in lyophilized state from date of receipt.  
 -20 or -80 centigrade for 1 month under sterile conditions after reconstitution.  
 Avoid repeated freeze/thaw cycles.

**Storage Buffer**

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

**Gene Name**

IL16 interleukin 16 [ *Mus musculus* (house mouse) ]

**Official Symbol**

IL16

**Synonyms**

IL16; interleukin 16; pro-interleukin-16; mKIAA4048; KIAA4048;

**Gene ID**

16170

**mRNA Refseq**

NM\_010551

**Protein Refseq**

NP\_034681

**UniProt ID**

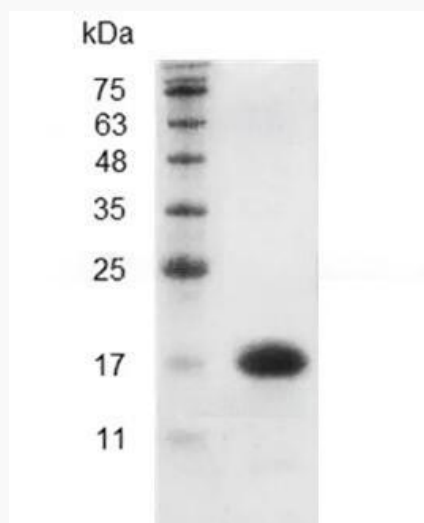
O54824

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE analysis  
of recombinant  
mouse IL-16.**



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA