

# Recombinant Human IL16 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** IL16-2174H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	IL16 MS Standard C13 and N15-labeled recombinant protein (NP_004504) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants.</p>
<b>Molecular Mass</b>	66.5 kDa
<b>AA Sequence</b>	<p>MDYSFDTTAEDPWVRISDCIKNLFSPIMSENHGHMPLQPNASLNEEEGTQGHDPDGT  PPKLDTANGTPKVYKSADSSTVKKGPPVAPKPAWFRQSLKGLRNRASDPRGLPDP  ALSTQPAPASREHLGSHIRASSSSSSIRQRISSEFETFGSSQLPDKGAQRSLQPSSG  EAAKPLGKHEEGRFSGLLGRGAAPTLVPQQPEQVLSSGSPAASEARDPGVSESP  PGRQPNQKTLPPGPDPLLRLLSTQAEESQGPVLKMPQRARSFPLTRSQSCETKLL</p>

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DEKTSKLYSISSQVSSAVMKSLCLPSSISCAQTPCIPKEGASPTSSSNEDSAANGSA  
 ETSALDTGFSLNLSELREYTEGLTEAKEDDDGDHSSLQSGQSVISLLSSEELKCLIEE  
 VKVLDEATLKQLDGIHVTLHKEEGAGLGFSLAGGADLENKVITVHRVFPNGLASQEG  
 TIQKGNEVLSINGKSLKGTTHHDALAILRQAREPRQAVIVTRKLTPEAMPDLNSSTDS  
 AASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLGEGKGSLSHGDKPLTINRIFKG  
 AASEQSETVQPGDEILQLGGTAMQGLTRFEAWNIIKALPDGPVTIVIRRKSLQSKETT  
 AAGDSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [IL16 interleukin 16 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [IL16](#)

**Synonyms** IL16; interleukin 16; interleukin 16 (lymphocyte chemoattractant factor); pro-interleukin-16; FLJ16806; FLJ42735; HsT19289; IL 16; LCF; lymphocyte chemoattractant factor; prIL 16; prointerleukin 16; neuronal interleukin 16; NIL16; PRIL16; prIL-16; FLJ44234;

**Gene ID** [3603](#)

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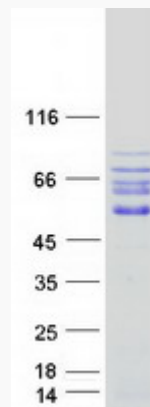
mRNA Refseq [NM\\_004513](#)

Protein Refseq [NP\\_004504](#)

MIM [603035](#)

UniProt ID [Q14005](#)

SDS-PAGE



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