

## 32-8581: Recombinant Mouse Interleukin-16/IL-16

**Gene :** IL16  
**Gene ID :** 16170  
**Uniprot ID :** O54824

### Description

Source: E.coli.  
MW :14.5kD.

Recombinant Mouse Interleukin-16 is produced by our E.coli expression system and the target gene encoding Ser1205-Ser1322 is expressed with a 6His tag at the N-terminus. Mouse interleukin-16(IL-16) is a single chain non-glycosylated polypeptide. IL-16 is widely expressed in human tissues including spleen, thymus, lymph nodes, peripheral leukocytes, bone marrow and cerebellum. IL-16 plays an important role in stimulating a migratory response in CD4+ lymphocytes, monocytes, and eosinophils, inducing T-lymphocyte expression of interleukin 2 receptor. It was originally identified as a CD8+ T cell-derived chemoattractant for CD4+ cells. In addition to its chemotactic properties, IL-16 has also been shown to suppress HIV-1 replication in vitro and appears to be involved in transcriptional regulation of SKP2 and is probably part of a transcriptional repression complex on the core promoter of the SKP2 gene. It may act as a scaffold for GABPB1 (the DNA-binding subunit of the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMSAASASAASDISVESKEATVCTVTLEKTSAGLGFSLEGGKGS LHGDKPLTIN RIFKGTEQGEMVQPGDEILQLAGTAVQGLTRFEAWNVIKALPDGPVTIVIRRTSLQCKQTTASADS

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.