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**Recombinant Mouse Interleukin-16/IL-16Protein****Cat.NO.: TP05333**

3th Edition

**Synonyms:**Pro-interleukin-16;Interleukin-16;Lymphocyte chemoattractant factor;LCF**Description:**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 instimulating 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 the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells.**Form:**PBS**Molecular Weight:**14.5 kDa**Sequences:**Ser1205-Ser1322**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.