

## Product datasheet for **TP727317**

### IL16 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Interleukin-16/IL-16
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ser1205-Ser1322
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	16170
UniProt ID:	<a href="#">O54824</a>
Summary:	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.



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