

Rev04
Update: May,04,2023**DATASHEET**

IL-16, Human

Cat. No.: Z02196

Product Introduction

Species	Human
Protein Construction	IL-16 (Met1203-Ser1332) Accession # Q14005
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/ μ g of protein by LAL method
Expression System	E. coli
Apparent Molecular Weight	18-20 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μ m filtered solution in 20 mM PB, 150 mM NaCl, pH 7.0.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in distilled water up to 100 μ g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : IL-16 is a CD8⁺ T cell-derived cytokine that induces chemotaxis of CD4⁺ T cells and CD4⁺ monocytes and eosinophils. Analysis by gel filtration suggests that, under physiological conditions, human IL-16 exists predominantly as a noncovalently linked multimer, but that some IL-16 may exist as a monomer. However, only the multimeric form appears to possess chemotactic activity, suggesting that receptor cross-linking may be required for activity. IL-16 also induces expression of IL-2 receptor (IL-2R) and MHC class II molecules on CD4⁺ T cells. Human and murine IL-16 show significant cross-species reactivity.

Synonyms : IL16; LCF; NPRprIL-16; IL-16; interleukin 16

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

生产商: 南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China