

Recombinant Mouse Interleukin-16 (Mouse IL-16)

Product Information

Product Name	Cat#	Size
	90152ES10	10 µg
Recombinant Mouse Interleukin-16 (Mouse IL-16)	90152ES60	100 µg
	90152ES76	500 µg

Product Description

Interleukin 16 (IL-16), also known as lymphocyte chemoattractant factor (LCF), refers to the C-terminal peptide of pro-IL-16 isoform 1, which is a nuclear and cytoplasmic PDZ-containing protein. The C-terminus of pro-IL-16 is cleaved by Caspase-3, resulting in the release of secreted IL-16. Mature IL-16 has been shown to bind the cell surface receptor CD4 and functions as an immunomodulatory cytokine.

Product Properties

Synonyms	Lymphocyte chemoattractant factor , LCF
Accession	O54824
GeneID	16170
Source	E.coli-derived Mouse IL-16, Ser1205-Ser1322.
Molecular Weight	Approximately 12.2 kDa.
AA Sequence	SAASASAASD ISVESKEATV CTVTLEKTS A GLGFSLEGGK GSLHGDKPLT INRIFKGTEQ GEMVQPGDEI LQLAGTAVQG LTRFEAWNVI KALPDGPVTI VIRRTSLQCK QTTASADS
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 98% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human peripheral T lymphocytes is in a concentration range of 1.0-100 ng/ml. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!