

ARG70394 Mouse IL16 recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Mouse IL16 recombinant protein
Tested Application	SDS-PAGE
Target Name	IL16
Species	Mouse
A.A. Sequence	His499 - Ser624
Expression System	E. coli
Alternate Names	IL16; Interleukin 16; PrIL-16; LCF; Lymphocyte Chemoattractant Factor; Pro-Interleukin-16; Prointerleukin 16; HsT19289; FLJ42735; FLJ16806; IL-16; Interleukin 16 (Lymphocyte Chemoattractant Factor); Neuronal Interleukin 16; PRIL16; NIL16

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL16
Gene Full Name	Interleukin 16
Background	The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants.
Function	Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.

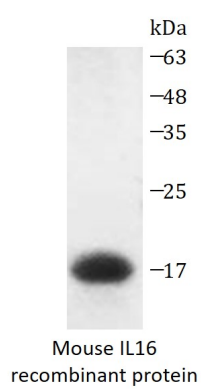
PTM

Phosphoprotein

Cellular Localization

Cytoplasm, Nucleus, Secreted

Images



ARG70394 Mouse IL16 recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70394 Mouse IL16 recombinant protein (His-tagged, C-ter)