

Bioactive

IL21 (Mouse) Recombinant Protein

Catalog # P4631

Size 10 ug

Applications

Result of activity analysis

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Serial dilutions of mouse IL21 (starting at 100 ng/mL) or ConA (+ control) were added to primary mouse thymocytes cultured on an anti-cD3e coated plate. After 72 hours, total live thymocytes were measured and the linear portion of the curve was used to calculate the ED50.

Specification

Product Description	Mouse IL21 (Q9ES17) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MHKSSPQGPDRLRLRLHLIDIVEQLKIYENDLDPELLSAPQDVKGHCHEAAAFACFQKAKLKPSNP GNNKTFIDLVAQLRRRLPARRGGKKQKHIKCPSCDSYEKRTPKEFLERLKWLLQKMIHQHLS
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	15.1
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the dose-dependent proliferation of human T cells co-stimulated with an ti-CD3 epsilon. The expected ED ₅₀ for this effect is 2.5-7.5 ng/mL.
Storage Buffer	Lyophilized with 20 mM NaHCO ₃ , pH 8.5.
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

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Applications

- Functional Study
- SDS-PAGE

Gene Info — IL21

Entrez GeneID [60505](#)

Protein Accession# [Q9ES17](#)

Gene Name IL21

Gene Alias -

Gene Description interleukin 21

Gene Ontology [Hyperlink](#)

Other Designations OTTMUSP00000007838