

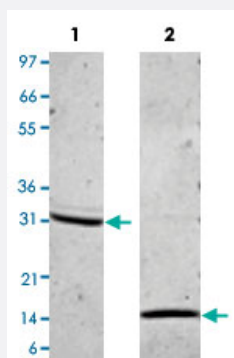
Bioactive

II17a (Rat) Recombinant Protein

Catalog # P4843

Size 25 ug

Applications



Lane 1: non-reducing conditions

Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Serial dilutions of rat II17a (starting at 2.5 ug/mL) were added to NIH 3T3 cells. After 48 hours, production of mouse IL-6 was measured and the linear portion of the curve was used to calculate the ED50.

Specification

Product Description	Rat II17a recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MAVLIPQSSVCPNAEANNFLQNKVNKVLNSLSSKASSRRPSDYLNIRSTSPWTLNRNEDPDRY PSVIWEAQCRHQRCVNAEGKLDHHMNSVLIQQEILVLKREPEKCPFTFRVEKMLVGVGCTCVSSI VRHAS
Host	Escherichia coli
Theoretical MW (kDa)	30
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 induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts. The expected ED ₅₀ for this effect is 0.44-0.66 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	Lyophilized from 10 mM sodium citrate, pH 3.0
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	Result of activity analysis Result of activity analysis Serial dilutions of rat Il17a (starting at 2.5 ug/mL) were added to NIH 3T3 cells. After 48 hours, production of mouse IL-6 was measured and the linear portion of the curve was used to calculate the E D50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Il17a

Entrez GeneID	301289
Protein Accession#	Q61453
Gene Name	Il17a
Gene Alias	-
Gene Description	interleukin 17A
Gene Ontology	Hyperlink
Other Designations	Il17 IL-17 CTLA-8 IL-17A

Publication Reference

- [Interleukin-17A Acts to Maintain Neuropathic Pain Through Activation of CaMKII/CREB Signaling in Spinal Neurons.](#)

Yao CY, Weng ZL, Zhang JC, Feng T, Lin Y, Yao S.

Molecular Neurobiology 2016 Aug; 53(6):3914.

Application: Added, Recombinant protein