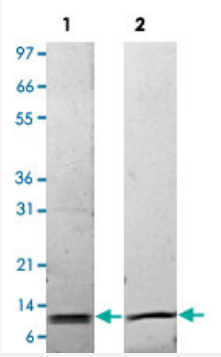
Bioactive

Il31 (Mouse) Recombinant Protein

Catalog # P4632 Size 10 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Human PBMCs were cultured with 0 to 1000 ng/mL mouse Il31. Human IL-8 production was measured after 48 hours and the linear portion of the curve was us used to calculate the ED50.

Specification

Product Description	Mouse Il31 (Q6EAL8) recombinant protein expressed in *Escherichia coli*.
Sequence	MTCSLSFGAPISKEDLRTTIDLLKQESQDLYNNYSIKQASGMSADESIQLPCFSLDREALTNISVIIAH LEKVKVLSENTVDTSWVIRWLTNISCFNPLNLNISVPGNTDESYDCKVFVLTVLKQFSNCMAELQA KDNTTC
Host	Escherichia coli
Theoretical MW (kDa)	15.7
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system

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Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the dose dependent production of IL-8 by human PBMCs. The expecte d ED_{50} for this effect is 16-24 pg/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 with 10 mM Na_2PO_4, pH 7.5.
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	Result of activity analysis Result of activity analysis Human PBMCs were cultured with 0 to 1000 ng/mL mouse Il31. Human IL-8 production was measure d after 48 hours and the linear portion of the curve was us used to calculate the ED50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Il31

Entrez GeneID	76399
Protein Accession#	Q6EAL8
Gene Name	Il31
Gene Alias	1700013B14Rik
Gene Description	interleukin 31
Gene Ontology	Hyperlink
Other Designations	-

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