

Recombinant Mouse IL-34

Cat. No. IL34-81M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse IL-34 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Mouse
Source	Yeast
Description	Interleukin-34 (IL-34) is a homodimeric cytokine identified by high throughput screening of human recombinant secreted factors. It contains no known conserved domains and has no sequence homology with other cytokines. IL-34 is recognized by colony-stimulating factor 1 receptor (CSF-1R). CSF-1R also binds CSF-1, also called macrophage colony-stimulating factor (M-CSF). Both IL-34 and CSF-1 are involved in the survival, proliferation and differentiation of mononuclear phagocytes, including monocytes, macrophages, dendritic cells, Langerhans cells, microglia and osteoclasts.
Form	Lyophilized
Molecular Mass	24.6 kDa
AA Sequence	NENLEIWTLT QDKECDLTGY LRGKLQYKNR LQYMKHYFPI NYRIAVPYEG VLRVANITRL QKAHVSEREL RYLWVLVSLN ATESVMDVLL EGHPSWKYLQ EVQTLLENVQ RSLMDVEIGP HVEAVLSLLS TPGLSLKLVR PKALLDNCFR VMELLYCSCC KQSPILKWQD CELPRLHPPH PGSLMQCTAT NVYPLSRQTP TSLPGSPSSS HGSLP (215)

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Applications

The Mouse IL-34 protein can be used in cell culture, as an IL-34 ELISA Standard, and as a Western Blot Control.

Storage

-20 C

GENE INFORMATION**Gene Name**

Il34 interleukin 34 [*Mus musculus*]

Official Symbol

IL34

Synonyms

IL34; interleukin 34; interleukin-34; IL-34; AI593503; 2010004A03Rik;

Gene ID

76527

mRNA Refseq

NM_001135100

Protein Refseq

NP_001128572

Function

cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding; macrophage colony-stimulating factor receptor binding;

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