

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 TPGLSLKLVK PKALLDNCFR VMELLYCSCC KQSPILKWQD CELPRLHPHS 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.
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Storage	-20 C
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GENE INFORMATION

Gene Name	Il34 interleukin 34 [<i>Mus musculus</i>]
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Official Symbol	IL34
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Synonyms	IL34; interleukin 34; interleukin-34; IL-34; AI593503; 2010004A03Rik;
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Gene ID	76527
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mRNA Refseq	NM_001135100
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Protein Refseq	NP_001128572
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Function	cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding; macrophage colony-stimulating factor receptor binding;
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