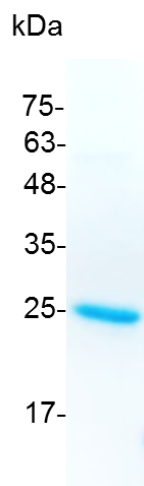


PRODUCT INFORMATION
IL-34 (Interleukin-34), Mouse

Catalog number	C02036-5UG / C02036-20UG / C02036-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin-34 (IL-34) is a protein that promotes the proliferation, survival and differentiation of monocytes and macrophages. It also promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. IL-34 plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1.
Source	<i>Escherichia coli</i>
Sequence	MNENLEIWTLTQDKECDLTGYLRGKLQYKNRLQYMKHYFPINYRIAVPYEGVLR VANITRLQKAHVSERELRYLWVLVSLNATESVMDVLLLEGHPSWKYLQEVQTLLE NVQRSLMDVEIGPHVEAVLSLLSTPGLSLKLVKPKALLDNCFRVMELLYCSCCK QSPILKWQDCELPRLHPHSPGSLMQCTATNVYPLSRQTPTSLPGSPSSSHGSL P with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED ₅₀ for this effect is <30 ng/mL. The specific activity of recombinant mouse IL-34 is > 3.3 x 10 ⁴ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IL-34

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