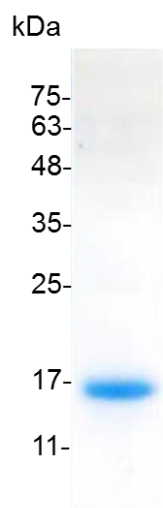


PRODUCT INFORMATION
IL-21 (Interleukin-21), Mouse

Catalog number	C02025-5UG / C02025-20UG / C02025-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin-21 (IL21) belongs to the IL-15/IL-21 family. It is a cytokine with immunoregulatory activity. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.
Source	<i>Escherichia coli</i>
Sequence	MHKSSPQGPDRLLIRLRHLIDIVEQLKIYENDLDPELLSAPQDVKGHCHEHAAFAC FQKAKLKPSNPGNNKTFIIDLVAQLRRRLPARRGGKKQKHIKPCSCDSYEKRT PKEFLERLKWLLQKMIHQHLS 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 enhance IFN gamma secretion in NK-92 cells. The ED ₅₀ for this effect is <6 ng/mL. The specific activity of recombinant mouse IL-21 is > 1.6 x 10 ⁵ IU/mg.
Purity	>95% 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-21

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