

Recombinant Human IL6 Protein

Cat. No. IL6-61H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin-6 is produced by our E.coli expression system and the target gene encoding Val30-Met212 is expressed.
Species	Human
Source	E.coli
ProteinLength	-6 a.a.
Description	Interleukin-6 (IL-6) is a multifunctional α -helical cytokine that regulates cell growth and differentiation of various tissues. IL-6 is secreted by several cell types including T cells and macrophages. IL-6 plays a critical role in the immune response and acute phase reactions. IL-6 is also important in hematopoiesis, bone metabolism, and cancer progression, and has been identified as an essential role in directing the transition from innate to acquired immunity. IL-6 has been also shown to inhibit the growth of early stage and to promote the proliferation of advanced-stage melanoma cells in vitro.
Form	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Molecular Mass	Predicted Molecular Weight: 21.1kDa Apparent Molecular Weight: 18.4-25kDa, reducing conditions.
AA Sequence	Val30-Met212

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Endotoxin	Less than 1 EU/ug.
Purity	>90%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: greater than 90% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	IL6 interleukin 6 [Homo sapiens (human)]
Official Symbol	IL6
Synonyms	Interleukin-6; IL-6; B-Cell Stimulatory Factor 2; BSF-2; CTL Differentiation Factor; CDF; Hybridoma Growth Factor; Interferon Beta-2; IFN-Beta-2; IL6; IFNB2
Gene ID	3569
mRNA Refseq	NM_000600.5

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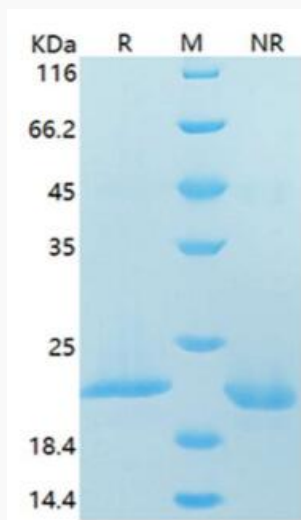
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Protein Refseq NP_000591.1

MIM 147620

UniProt ID P05231

SDS-PAGE



SDS-PAGE Result of Final sample (12% gel).

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