

Recombinant IL-6, 500 µg

Catalog number	710039
Description	Recombinant human interleukin-6 antigen is produced by <i>E. coli</i> expression system and the target gene encoding Pro29-Met212 is expressed. Predicted molecular weight: 19 kDa.
Amino acid sequence	PVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGIALRKETCNKSNMCE SSKEALAENNLNLPKMAEKDGCQSGFNEETCLVKIITGLLEFEVYLEYLQ NRFESSEEQARAVQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQA QNQWLQDMTTHLILRSFKEFLQSSLRALRQM
Product host	<i>Escherichia coli</i> (<i>E. coli</i>)
Product formulation	Lyophilized
Product buffer solution	20 mM Hac-NaAc, pH 5.0, 150 mM NaCl
Reconstitution	Reconstitute the lyophilized protein with 1000 µl of deionized water
Shelf life and storage	Unspecified, storage at -20 °C
Analyte description	IL-6 is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is relevant to many disease processes such as diabetes, atherosclerosis, depression, Alzheimer's Disease, systemic lupus erythematosus, cancer, and rheumatoid arthritis.
Product concentration	0.5 mg/ml when reconstituted with 1000 µl of deionized water
Purity	SDS-PAGE > 90 %
Antibodies tested	Anti-h IL-6 2703: + Anti-h IL-6 2704: + Anti-h IL-6 2706: + Anti-h IL-6 2707: +



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