

Recombinant Human IL6 Mutant (R44M) Protein, Myc/DDK-tagged

Cat. No. IL6-052H Lot. No. (See product label)

SPECIFICATION

Product Overview

Purified mutant recombinant protein of Human interleukin 6 (interferon, beta 2) (IL6), mutation at (R44M) with a Myc/DDK tag was expressed in HEK293

Species

Human

Source

HEK293

Description

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).

Molecular Mass

23.7 kDa

Purity


> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade after receiving vials.
Concentration	> 50 µg/mL as determined by microplate Bradford method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
GENE INFORMATION	
Gene Name	IL6 interleukin 6 [Homo sapiens (human)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2; interleukin-6; B-cell differentiation factor; B-cell stimulatory factor 2; CTL differentiation factor; hybridoma growth factor; interferon beta-2; interleukin BSF-2
Gene ID	3569
mRNA Refseq	NM_000600
Protein Refseq	NP_000591
MIM	147620
UniProt ID	P05231

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SDS-PAGE

Purified recombinant protein IL6 (R44M) was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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