

## ARG70030 Human IL6 recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg  
Store at: -20°C

### Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human IL6 recombinant protein
Tested Application	SDS-PAGE
Target Name	IL6 recombinant protein
Species	Human
A.A. Sequence	MVPPG EDSKD VAAPH RQPLT SSERI DKQIR YLDG ISALR KETCN KSNMC ESSKE ALAEN NLNLP KMAEK DGCFQ SGFNE ETCLV KIITG LLEFE VYLEY LQNR F ESSEE QARAV QMSTK VLIQF LQKKA KNLDA ITTPD PTTNA SLLTK LQAQN QWLQD MTTHL ILRSF KEFLQ SSLRA LRQM with polyhistidine tag at the C-terminus.
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in TF-1 cells The ED50 for this effect is $5 \times 10^8$ IU/mg. Determined by its ability to induce proliferation in MCF-7 cells. The ED50 for this effect is 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/ml and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

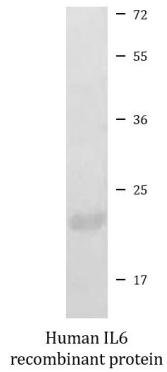
Gene Symbol	IL6
Gene Full Name	interleukin 6
Background	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The 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. [provided by RefSeq, Jun 2011]
Function	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. [UniProt]
Highlight	Related products: <a href="#">IL6 antibodies</a> ; <a href="#">IL6 ELISA Kits</a> ; <a href="#">IL6 recombinant proteins</a> ;

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PTM N- and O-glycosylated. [UniProt]  
Cellular Localization Secreted. [UniProt]

## Images

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ARG70030 Human IL6 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70030 Human IL6 recombinant protein (Active) (His-tagged, C-ter).