

Active Recombinant Rat Il6 protein, His-tagged

Cat. No. Il6-481R Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Il6 protein(P20607)(25~211 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	25-211 aa
Form	Lyophilized from sterile PBS, pH7.6, containing 5% trehalose.
Bio-activity	Interleukin-6 (IL-6), a pro-inflammatory cytokine and an anti-inflammatory myokine, plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. It has been reported that IL-6 significantly increased the MMP-10 protein lever in the human lung cancer A549 cells through the JAK/STAT signaling pathway. Briefly, A549 cells were seeded into 6-well cell culture clusters and allowed to grow to 50-70% confluence, then different concentrations of IL-6 was added. After incubated for 24h, the protein levels of MMP-10 in the cell supernatant were determined by Western blot.
Molecular Mass	23.3kDa
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at

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-80°C for 12 months.

Reconstitution Reconstitute in PBS (pH7.6) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name IL6 interleukin 6 [*Rattus norvegicus*]

Official Symbol IL6

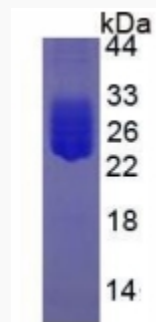
Synonyms IL6; interleukin 6; interleukin-6; IL-6; Interleukin 6 (interferon, beta 2); ILg6; Ifnb2;


Gene ID 24498

mRNA Refseq NM_012589

Protein Refseq NP_036721

SDS-PAGE



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