

Recombinant Guinea pig Il6 Protein, His-tagged

Cat. No. Il6-2325G Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Guinea pig Il6 Protein (Phe25-Asn223) with a N-His tag was expressed in 293F.
Species	Guinea pig
Source	HEK293
ProteinLength	Phe25-Asn223
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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.6 kDa Accurate Molecular Mass: \

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Il6 interleukin 6 [<i>Cavia porcellus</i> (domestic guinea pig)]
Official Symbol	Il6
Synonyms	Il6; interleukin 6; interleukin-6
Gene ID	106027696
mRNA Refseq	XM_013152399

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Protein Refseq

XP_013007853

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