

Recombinant Horse IL6 Protein, His-tagged

Cat. No. IL6-1046H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Horse IL6 Protein (Thr28-Met208) with His tag was expressed in E. coli.
Species	Horse
Source	E.coli
ProteinLength	Thr28-Met208
Description	Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway. The interaction with the membrane-bound IL6R and IL6ST stimulates 'classic signaling', whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans-signaling'. Alternatively, 'cluster signaling' occurs when membrane-bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.3 kDa; Accurate Molecular Mass: 26 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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 PBS or others.

GENE INFORMATION

Gene Name

IL6 interleukin 6 (interferon, beta 2) [*Equus caballus*]

Official Symbol

IL6

Synonyms

IL6; interleukin 6 (interferon, beta 2); interleukin-6; IL-6;

Gene ID

100034196

mRNA Refseq

NM_001082496

Protein Refseq

NP_001075965

UniProt ID

Q95181

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