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

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

	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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