

Recombinant Horse IL6 Protein, His-tagged

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

SPECIFICATION

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|-------------------------|--|
| 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

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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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