Recombinant Horse IFNG Protein, His-tagged

Cat. No. IFNG-981H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Horse IFNG Protein (Ala25-Gln166) with His tag was expressed in E. coli.
Species	Horse
Source	E.coli
ProteinLength	Ala25-Gln166
Description	This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.4 kDa
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

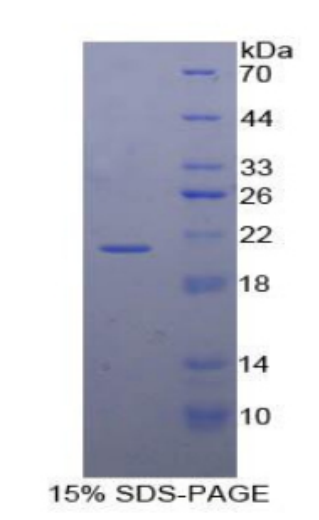
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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
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	IFNG interferon, gamma [Equus caballus (horse)]
Official Symbol	IFNG
Synonyms	IFNG; interferon, gamma; interferon gamma; IFN-gamma;
Gene ID	100034181
mRNA Refseq	NM_001081949
Protein Refseq	NP_001075418
UniProt ID	P42160

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15% SDS-PAGE

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