Recombinant Rat Irf1 Protein, His&SUMO-tagged

Cat. No. Irf1-1063R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Irf1 Protein (Pro145-Pro328) with His&SUMO tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Pro145-Pro328
Description	Enables sequence-specific DNA binding activity. Involved in several processes, including cellular response to cytokine stimulus; cellular response to exogenous dsRNA; and response to peptide hormone. Located in nucleus. Used to study endometrial adenocarcinoma. Biomarker of allergic conjunctivitis; lung disease; respiratory syncytial virus infectious disease; and ureteral obstruction. Human ortholog(s) of this gene implicated in asthma; gastric adenocarcinoma; lung non-small cell carcinoma; and smallpox. Orthologous to human IRF1 (interferon regulatory factor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9 kDa; Accurate Molecular Mass: 21 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 PBS or others.

GENE INFORMATION

Gene Name	Irf1 interferon regulatory factor 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Irf1
Synonyms	IRF1; interferon regulatory factor 1; IRF-1;
Gene ID	24508
mRNA Refseq	NM_012591
Protein Refseq	NP_036723
UniProt ID	P23570

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