Recombinant Mouse Nfatc1 Protein, His-tagged

Cat. No. Nfatc1-1822M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nfatc1 Protein (Ser153-Thr326) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser153-Thr326
Description	Enables several functions, including DNA-binding transcription factor activity, RNA polymerase II-specific; RNA polymerase II cis-regulatory region sequence-specific DNA binding activity; and mitogen-activated protein kinase p38 binding activity. Involved in heart development and positive regulation of transcription by RNA polymerase II. Acts upstream of or within several processes, including animal organ development; branching involved in lymph vessel morphogenesis; and regulation of gene expression. Located in cytoplasm and nucleus. Part of transcription regulator complex. Is expressed in several structures, including alimentary system; early conceptus; eye; genitourinary system; and heart. Orthologous to human NFATC1 (nuclear factor of activated T cells 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.0 kDa Accurate Molecular Mass: 25 kDa

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	Nfatc1 nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1 [Mus musculus (house mouse)]
Official Symbol	Nfatc1
Synonyms	NFATC1; nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 1; nuclear factor of activated T-cells, cytoplasmic 1; NF-ATc1; transcription factor NF-ATc; NFAT transcription complex cytosolic component; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1; NFAT2; NFATc; NF-ATc; Nfatcb; AI449492; AV076380; 2210017P03Rik;
Gene ID	18018

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mRNA Refseq	NM_001164109
Protein Refseq	NP_001157581
UniProt ID	O88942

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