

Recombinant Human NFATC1, GST-tagged

Cat. No. NFATC-1474H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human NFATC1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW = 125 kDa.
Species	Human
Source	Sf9 Cells
Description	NFATC1 is a member of the NFAT family of proteins which are Ca ²⁺ /calcineurin-responsive transcription factors primarily recognized for their central roles in T lymphocyte activation and cardiac valve development. NFAT consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T-cell receptor (TCR) stimulation, and an inducible nuclear component. Proteins belonging to the NFAT family of transcription factors play a central role in inducible gene transcription during immune response. The product of NFATC1 is an inducible nuclear component and functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A.
Sequence	Full-length.
Applications	Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

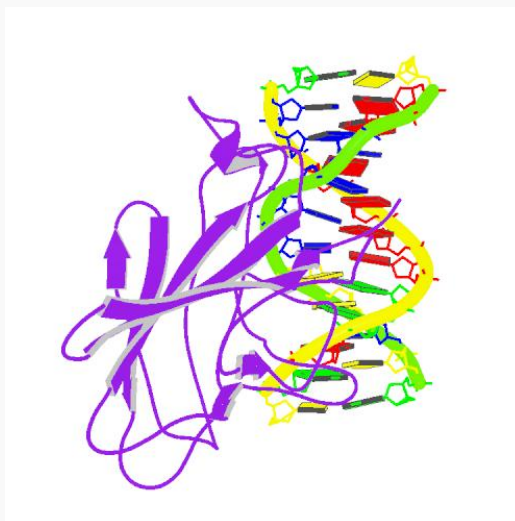
Gene Name	NFATC1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 [Homo sapiens]
Synonyms	NFATC1; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1; NFAT2; NFATc; NF-ATC; MGC138448; NFAT transcription complex cytosolic component; Nuclear factor of activated T-cells, cytoplasmic 1; NF-ATc1; NFATC; NFAT transcription complex cytosolic component
Gene ID	4772
mRNA Refseq	NM_006162
Protein Refseq	NP_006153
MIM	600489
UniProt ID	O95644
Chromosome Location	18q23
Pathway	Axon guidance; B cell receptor signaling pathway; Natural killer cell mediated cytotoxicity; T cell receptor signaling pathway; VEGF signaling pathway; Wnt signaling pathway
Function	FK506 binding; promoter binding; protein binding; transcription activator activity; transcription factor activity

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