

Recombinant Human NFATC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NFATC1-4340H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NFATC1 MS Standard C13 and N15-labeled recombinant protein (NP_765978) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The product of this gene is a component of the nuclear factor of activated T cells DNA-binding transcription complex. This complex 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 this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes.
Molecular Mass	77.8 kDa
AA Sequence	MPSTSFPVPSKFPLGPAAAVFGRGETLGPAPRAGGTMKSAEEEHYGYASSNVSPAL PLPTAHSTLPAPCHNLQTSTPGIIPADHPSGYGAALDGGPAGYFLSSGHTRPDGAP

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ALESPRIEITSCGLYHNNNQFFHDVEVEDVLPSSKRSPSTATLSLPSLEAYRDPSCLS
 SPASSLSSRSCNSEASSYESNYSYPYASPQTSPWQSPCVSPKTTDPEEGFPRGLG
 ACTLLGSPRHSPSTSPRASVTEESWLGARSSRPASPCNKRKYSLNQRQPPYSPHH
 SPTSPHGSPPRVSVTDDSWLGNTTQYTSSAIVAINALTTDSSLDLGDGVPVKSRKT
 TLEQPPSVALKVEPVGEDLGSPPPPADFAPEDYSSFQHIRKGGFCDQYLAVPQHPY
 QWAKPKLSPTSYSMSPTLPALDWQLPSHSGPYELRIEVQPKSHHRAHYETEGSRG
 AVKASAGGHPIVQLHGYLENEPLMLQLFIGTADDRLLRPHAFYQVHRITGKTVSTTSH
 EAILSNTKVLEIPLLPENSMRAVIDCAGILKLNSDIELRKGETDIGRKNTRVRLVFRVH
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 DSKVIFVEKAPDGHVWEMEAKTDRDLCKPNSLVVEIPFRNQRTSPVHVSFYVCN
 GKRKRSQYQRFTYLPANGNAIFLTVSREHERVGCFFSGPTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NFATC1 nuclear factor of activated T cells 1 [Homo sapiens (human)]

Official Symbol NFATC1

Synonyms NFATC1; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1;

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nuclear factor of activated T-cells, cytoplasmic 1; NF ATC; NFAT2; NFATc; NF-ATc1;
NFAT transcription complex cytosolic component; NF-ATC; MGC138448;

Gene ID 4772

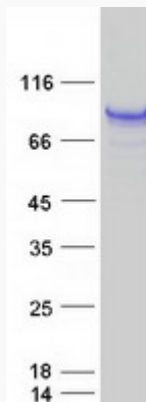
mRNA Refseq NM_172390

Protein Refseq NP_765978

MIM 600489

UniProt ID O95644

SDS-PAGE



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