

Product datasheet for RC239809

NFAT2 (NFATC1) (NM_001278669) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NFAT2 (NFATC1) (NM_001278669) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: NFAT2

Synonyms: NF-ATC; NF-ATc1.2; NFAT2; NFATc

Mammalian Cell Neomycin

Selection:

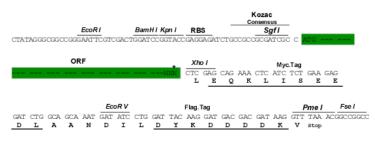
Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Restriction Sites: Sgfl-Xhol

Cloning Scheme:

Cloning sites used for ORF Shuttling:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001278669

ORF Size: 2829 bp



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NFAT2 (NFATC1) (NM_001278669) Human Tagged ORF Clone - RC239809

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001278669.2</u>

 RefSeq Size:
 5031 bp

 RefSeq ORF:
 2832 bp

 Locus ID:
 4772

 UniProt ID:
 095644

Cytogenetics: 18q23

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Axon guidance, B cell receptor signaling pathway, Natural killer cell mediated cytotoxicity, T

cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

MW: 101.7 kDa

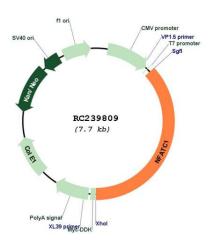
Gene Summary: The product of this gene is a component of the nuclear factor of activated T cells DNA-binding

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. [provided by

RefSeq, Jul 2013]



Product images:



Circular map for RC239809