

Product datasheet for RC212523L3

OriGene Technologies, Inc.

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NFAT4 (NFATC3) (NM_004555) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NFAT4 (NFATC3) (NM_004555) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: NFAT4

Synonyms: NF-AT4c; NFAT4; NFATX

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC212523).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_004555

ORF Size: 3204 bp





NFAT4 (NFATC3) (NM_004555) Human Tagged Lenti ORF Clone - RC212523L3

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 004555.2</u>

 RefSeq Size:
 4005 bp

 RefSeq ORF:
 3207 bp

 Locus ID:
 4775

 UniProt ID:
 012968

Cytogenetics: 16q22.1

Domains: RHD. IPT

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: 115.1 kDa

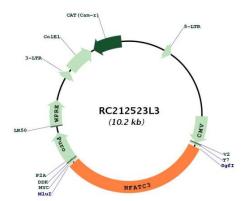
Gene Summary: The product of this gene is a member of the nuclear factors of activated T cells DNA-binding

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. Other members of this family participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes. Several transcript variants encoding distinct isoforms have

been identified for this gene. [provided by RefSeq, Nov 2010]



Product images:



Circular map for RC212523L3