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Product datasheet for RC216142L3V

NFAT5 (NM_006599) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NFAT5 (NM_006599) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NFAT5
Synonyms:	NF-AT5; NFATL1; NFATZ; OREBP; TONEBP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006599
ORF Size:	4593 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216142).
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.
RefSeq:	NM_006599.3
RefSeq Size:	13253 bp
RefSeq ORF:	4596 bp
Locus ID:	10725
UniProt ID:	O94916
Cytogenetics:	16q22.1
Domains:	IPT
Protein Families:	Druggable Genome, Transcription Factors

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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:	165.8 kDa
Gene Summary:	The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress in mammalian cells. Unlike monomeric members of this protein family, this protein exists as a homodimer and forms stable dimers with DNA elements. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

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