

## Product datasheet for TP326608M

### NFATC4 (NM\_001136022) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 (NFATC4), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226608 representing NM_001136022 Red=Cloning site Green=Tags(s)

MITTLPSLLPASLASISHRVTNLPSNSLSHNPGLSKPDFGNSSPGLPSSSSPGRDLGAPAGSMGAASCE  
DEELEFKLVFGEEKEAPPLGAGGLGEELDEDAPPCCRLALGEPPIYGAAPIGIPRPPPPRGMHSPPPR  
PAPSPGTWESQPARSVRLGGPGGGAGGAGGGRVLECSIRITSISPTPEPPAALEDNPDWGDGSPRDYP  
PPEGFGGYREAGGQGGGAFFSPSPGSSSLSSWSFFSDASDEAALYAACDEVESELNEAASRFLGSLPLS  
PRASPRPWTPEDPWSLYGSPGGRGPEDSWLLLSAPGPTASPRPASPCGKRRYSSSGTPSSASPALSRR  
GSLGEEGSEPPPPPLPLARDPGSPGPFYVYGAPPAESIPQKTRRTSSEQAVALPRSEEPASCNGKPLPG  
AEESVAPPGGSRKEVAGMDYLAVPSPLAWSKARIGGHSPIFRTSALPLDWPPLSQYELELRIEVQPR  
HHRAHYETEGSRGAVKAAPGGHPVVKLLGYSEKPLTLQMFIGNADERNLPHAFYQVHRITGKMMVATASY  
EAVVSGTKVLEMTLLPENMAANIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRVHVPQGGGKVV  
VQAASVPIEQSQRSAQELPQVEAYSACSVRGGEELVLTGSNPLPDSKVVFIERGPDGKQWEEETVN  
RLQSNEVTLTLTVPEYSNKRVS RPVQVYFVSNRRKRSPQSFRLPVICKEEPLDSSLRGFPSASAT  
PFGTDMDFSPRPPYPSPHEDPACETPYLSEGFYGMPLYPQTGPPSYRPLRMFPETRGTTGCAQP  
PAVSFLPRFPSPDPYGGRGSSFLGLPFPSPAPFRPPPLASPPLGPFPSQSDVHPLPAEGYNKVGPGY  
GPGEAPEQEKSRGGYSSGFRDSVPIQGITLEEGCGTGGCECECVQEIHLVHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

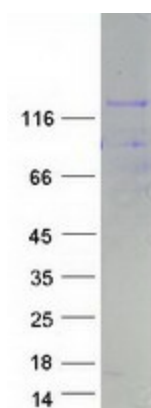
Tag:	C-Myc/DDK
Predicted MW:	101.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001129494</a>
<b>Locus ID:</b>	4776
<b>UniProt ID:</b>	<a href="#">Q14934</a>
<b>Cytogenetics:</b>	14q12
<b>RefSeq ORF:</b>	2892
<b>Synonyms:</b>	NF-AT3; NF-ATC4; NFAT3
<b>Summary:</b>	This gene encodes a member of the nuclear factor of activated T cells (NFAT) protein family. The encoded protein is part of a 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 stimulation and an inducible nuclear component. NFAT proteins are activated by the calmodulin-dependent phosphatase, calcineurin. The encoded protein plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of interleukin-2 and interleukin-4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Axon guidance, B cell receptor signaling pathway, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

### Product images:



Coomassie blue staining of purified NFATC4 protein (Cat# [TP326608]). The protein was produced from HEK293T cells transfected with NFATC4 cDNA clone (Cat# [RC226608]) using MegaTran 2.0 (Cat# [TT210002]).