

Product datasheet for TP326608

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, 20 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
PPEGFGGYREAGQGGAFFSPSPGSSSLSSWSFFSDASDEAALYAACDEVESELNEAASRFLGSLPLS
PRASPRPWTPEDPWSLYGSPGGRGPEDSWLLLSAPGPTASPRPASPCGKRRYSSSGTPSSASPALSRR
GSLGEEGSEPPPPPLPLARDPGSPGPFYVYGAPPAESIPQKTRRTSSEQAVALPRSEEPASCNGKPLPG
AEESVAPPGGSRKEVAGMDYLAVPSPLAWSKARIGGHSPIFRTSALPLDWPPLSQYELELRIEVQRA
HHRAHYETEGSRGAVKAAPGGHPVVKLLGYSEKPLTLQMFIGNLNRPHAFYQVHRITGKMMVATASY
EAVVSGTKVLEMTLLPENMAANIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRVHVPQGGGKVV
VQAASVPIEQSQRSAQELPQVEAYSACSVRGGEELVLTGSNPLPDSKVVFIERGPDGKQWEEETVN
RLQSNEVTLTLTVPEYSNKRVS RPVQVYFVSNRRKRSPQSFRLPVICKEEPLDSSLRGFPSASAT
PFGTDMDFSPRPPYPSPHEDPACETPYLSEGFYGMPLYPQTGPPSYRPLRMFPETRGTTGCAQP
PAVSFLPRFPSPDPYGGRGSSFLGLPFSPAPFRPPPLASPPLGPFPSQSDVHPLPAEGYNKVGPGY
GPGEGAPEQEKSRGGYSSGFRDSVPIQGITLEEGCGTGGCECECVQEIHLVHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

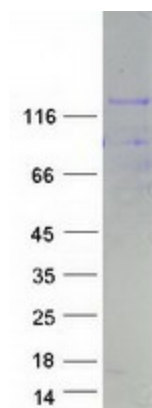
Tag:	C-Myc/DDK
Predicted MW:	101.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001129494
Locus ID:	4776
UniProt ID:	Q14934
Cytogenetics:	14q12
RefSeq ORF:	2892
Synonyms:	NF-AT3; NF-ATC4; NFAT3
Summary:	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]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	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]).