

Product datasheet for **TP300357L**

NFAT4 (NFATC3) (NM_173165) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200357 protein sequence Red =Cloning site Green =Tags(s)

MTTANCGAHDELDFKLVFGEDGAPAPPPGSRPADLEPDDCASIIYFNVDPPPSTLTTPCLPHHGLPSH
SSVLSPSFQLQSHKNYEGTCEIPESKYSPLGGPKPFECPSIQITSISPNCHELDLQINDPEREF
LERPSRDHLYLPLEPSYRESSLSPASSISSRSWFSDASSCESLSHIYDDVDSELNEAAARFTLGSP
SPGGSPGGCPGEETWHQYGLGHSLSPRQSPCHSPRSSVTDENWLSRPASGPSSRPTSPCGKRRHSSAE
VCYAGSLSPHHSPVSPGHSPRGSVTEDTWLNASVHGGSGLGPAVFPFQYCVETDIPLKTRKTSQAAI
LPGKLELCSDDQGSLSAPARETSIDDLGSGYPLKKDSCGDQFLSVSPFTWSKPKPGHTPIFRTSSLPL
DWPLPAHFGQCELKIEVQPKTHHRAHYETEGSRGAVKASTGGHPVWKLGLYNEKPINLQMFIGTADDRYL
RPHAFYQVHRITGKTIVATASQEIISTKVLLEIPLPENMNSASIDCAGILKLRNSDIELRKGGETDIGRK
NTRVRLVFRVHIPQPSGKVLSQLIASIPVECSQRSAQELPHIEKYSINSCSVNGGHEMVVVTGSNFLPESK
IIFLEKQDGRPQWEVEGKIIREKQGAHIVLEPPYHNPAVTAQVHFYLCNGKRKKSQSQRFTYTPV
LMKQEHREEIDLSSVPSLPVPHPAQTQRPSSDSGSHDSVLSGQRSLICSIPQTYASMVTSSHLPLQLQCR
DESVSKEQHMIPSPIVHQPFQVTPTPPVGSSYQPMQTNVVYNGPTCLPINAASSQEFDSVLFQQDATLSG
LVNLGCQPLSSIPFHSSNSGSTGHLLAHTPHSVHTLPHLQSMGYHCSNTGQRSLSSPVADQITGQPSSQL
QPITYGSPSHSGSATTASPAASHPLASSPLSGPPSPQLQPMYQSPSSGTASSPSPATRMHSGQHSTQAQS
TGQGGLSAPSSLICHSLCDPASFPDGDATVSIKPEPEDREPINFATIGLQDITLDDVNEIIGRDMSQISVS
QGAGVSRQAPLPSPELDDLGRSDGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

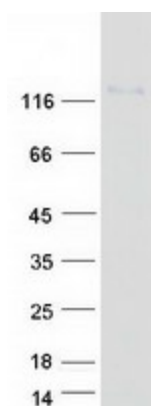
Tag:	C-Myc/DDK
Predicted MW:	115.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_775188
Locus ID:	4775
UniProt ID:	Q12968 , B5B2S1
RefSeq Size:	6349
Cytogenetics:	16q22.1
RefSeq ORF:	3225
Synonyms:	NF-AT4c; NFAT4; NFATX
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]
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

Product images:



Coomassie blue staining of purified NFATC3 protein (Cat# [TP300357]). The protein was produced from HEK293T cells transfected with NFATC3 cDNA clone (Cat# [RC200357]) using MegaTran 2.0 (Cat# [TT210002]).