

## Product datasheet for **TP300357M**

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200357 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTTANCGAHDELDFKLVFGEDGAPAPPPGSRPADLEPDDCASIIYFNVDPPPSTLTTPCLPHHGLPSH  
SSVLSPSFQLQSHKNYEGTCEIPESKYSPLGGPKPFECPSIQITSISPNCHELDLQINDPEREF  
LERPSRDHLYLPLEPSYRESSLSPASSISSRSWFSDASSCESLSHIYDDVDSELNEAAARFTLGSP  
SPGGSPGGCPGEETWHQYGLGHSLSPRQSPCHSPRSSVTDENWLSRPASGPSSRPTSPCGKRRHSSAE  
VCYAGSLSPHHSPVSPGHSPRGSVTEDTWLNASVHGGSGLGAFFVQYCVETDIPLKTRKTSQAAI  
LPGKLELCSDDQGSLSAPARETSIDDLGSGYPLKKDSCGDQFLSVSPFTWSKPKPGHTPIFRTSSLPL  
DWPLPAHFGQCELKIEVQPKTHHRAHYETEGSRGAVKASTGGHPVWKLGLYNEKPINLQMFIGTADDRYL  
RPHAFYQVHRITGKTIVATASQEIISTKVLLEIPLPENMSASIDCAGILKLRNSDIELRKGGETDIGRK  
NTRVRLVFRVHIPQPSGKVLSQLIASIPVECSQRSAQELPHIEKYSINCSVNGGHEMVVWVTSNLFPEK  
IIFLEKQDGRPQWEVEGKIIREKCGAHIVLEPPYHNPAVTAAVQVHFYLCNGKRKKSQSQRFTYTPV  
LMKQEHREEIDLSSVPSLPVPHPAQTQRPSDSDGSHDSVLSGQRSLICSIPTQYASMTSSHLPLQLQCR  
DESVSKEQHMIPSPIVHQPFQVTPTPPVGSSYQPMQTNVVYNGPTCLPINAASSQEFDSVLFQQDATLSG  
LVNLGCQPLSSIPFHSSNSGSGTGHLLAHTPHSVHTLPHLQSMGYHCSNTGQRSLSSPVADQITGQPSSQL  
QPITYGPHSHSGSATTASPAASHPLASSPLSGPPSPQLQPMYQSPSSGTASSPSPATRMHSGQHSTQAQS  
TGQGGLSAPSSLICHSLCDPASFPDGDATVSIKPEPEDREPINFATIGLQDITLDDVNEIIGRDMSQISVS  
QGAGVSRQAPLPSPELDDLGRSDGL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

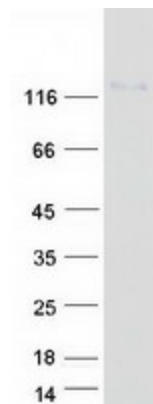
Tag:	C-Myc/DDK
Predicted MW:	115.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<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_775188</a>
<b>Locus ID:</b>	4775
<b>UniProt ID:</b>	<a href="#">Q12968</a> , <a href="#">B5B2S1</a>
<b>RefSeq Size:</b>	6349
<b>Cytogenetics:</b>	16q22.1
<b>RefSeq ORF:</b>	3225
<b>Synonyms:</b>	NF-AT4c; NFAT4; NFATX
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	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]).