

## Product datasheet for PH300357

### NFAT4 (NFATC3) (NM\_173165) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NFATC3 MS Standard C13 and N15-labeled recombinant protein (NP_775188)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200357
Predicted MW:	115.6 kDa
Protein Sequence:	>RC200357 protein sequence Red=Cloning site Green=Tags(s)

MTTANCGAHDELDFKLVFGEDGAPAPPPGSRPADLEPDDCASIIYIFNVDPSTLTTPCLPHHGLPSH  
SSVLSPSFQLQSHKNYEGTCEIPESKYSPLGGPKPFECPSIQITSISPNCHQELDAHEDDLQINDPEREF  
LERPSRDHLYLPLEPSYRESSLSPSPASSISSRSWFSASSCESLSHIYDDVDSELNEAAARFTLGSP  
LTPGSGSPGGCPGEETWHQQYGLGHSLSPRQSPCHSPRSSVDENWLSRPPASGPSSRPTSPCGKRRHSSAE  
VCYAGSLSPHSPVPSPGHSPRGSVTEDTWLNASVHGSGGLGPAVFPFQYCVETDIPLKTRKTS  
EDQAAI  
LPGKLELCSDDQGSLSARETSIDDGLGSQYPLKKDSCGDQFLSVPSPFTWSKPKPGHTPIFRTSS  
LPP  
LDWPLPAHFGQCELKIEVQPKTHHRAHYETEGSRGAVKASTGGHPVVKLLGYNEKPINLQMF  
IGTADDRYL  
RPHAFYQVHRITGKTVATASQEIIIASTKVLEIPLLPENMSASIDCAGILKLRNSDI  
ELRKGETDIGR  
KNTRVRLVFRVHIPQPSGKVLSLQIASIPVECSQSAQELPHIEKYSINSCSVNGGHEMVV  
TGSNFLPESK  
IIFLEKGDGRPQWEVEGKIIREKCGGAHIVLEVPPYHNPAVTAQVQVHFYLCNGKRKKS  
QSQRFTYTPV  
LMKQEHREEIDLSSVPSLPVPHPAQTQRPSSDSCSHDSVLSGQRLICSIPTQYASMTSS  
HLPQLQCR  
DESVSKEQHMIPSPIVHQPFQVTPTPPVGSSYQPMQTNVYNGPTCLPINAASSQEFDSV  
LQDQATLSG  
LVNLGCQPLSSIPFHSSNSGSGTHLLAHTPHSVHTLPHLQSMGYHCSNTGQRLSSPVADQ  
ITGQPSSQL  
QPITYGSPSHSGSATTASPAASHPLASSPLSGPPSPQLQPMYQSPSSGTASSPSPATRMH  
SGHQHSTQAQS  
TGQGLSAPSSLICHSLCDPASFPDGDATVSIKPEPEDREPNFATIGLQDITLDDVNEIIGR  
DMSQISVS  
QGAGVSRQAPLPSPELDDLGRSDGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

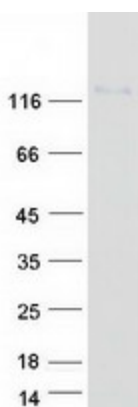
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_775188</a>
<b>RefSeq Size:</b>	6349
<b>RefSeq ORF:</b>	3225
<b>Synonyms:</b>	NF-AT4c; NFAT4; NFATX
<b>Locus ID:</b>	4775
<b>UniProt ID:</b>	<a href="#">Q12968</a> , <a href="#">B5B2S1</a>
<b>Cytogenetics:</b>	16q22.1
<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]).