

## Product datasheet for **TP315180M**

### NFAT1 (NFATC2) (NM\_012340) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 (NFATC2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215180 representing NM_012340 Red=Cloning site Green=Tags(s)

MNAPERQPQPDGGDAPGHEPGGSPQDELDFSIKFDYEYLNPNNEEPNAHKVASPPSGPAYPDDVLDYGLK  
 PYSPLASLSGEPGRFGEPDRVGPQKFLSAAKPAGASGLSPRIEITPSHELIQAVGPLRMRDAGLLVEQP  
 PLAGVAASPRFTLPVPGFEGYREPLCLSPASSGSSASFISDTFSPYTPCVSPNNGPDDLCPQFQNI  
 HYSPTSPIMSPRTSLAEDSCLGRHSPVPRPASRSSSPGAKRRHSCAEALVALPPGASQRSRSPSPQPS  
 SHVAPQDHGSPAGYPPVAGSAVIMDALNSLATDSPCGIPPKMWKTSPPSPVSAAPSKAGLPRHIYP  
 AVFVLPCEQGERNSAPESILLVPPTWPKPLVPAIPICSIPTASLPPLEWPLSSQSGSYELRIEVQPKPH  
 RAHYETEGSRGAVKAPTGGHPVQVLHGYMENKPLGLQIFIGTADERILKPHAFYQVHRITGKTVTTSY  
 E KIVGNTKVLKLEIPKNNMRATIDCAGILKLRNADIELRKGGETDIGRKNTRVRLVFRVHIPESSGRIV  
 SL QTASNPIECSQRSHELPMVERQDTSCLVYGGQQMILGTGQNFSESQVVFTEKTTDGGQIWE  
 MEATVDK DKSQPNMLFVEIPEYRNKHIRTVPKVNFYVINGKRKRSQPQHFTYHPVPAIKTEPTDEYDPT  
 LICSPTHG GLGSQPYYPQHPMVAESPSCLVATMAPCQQFRTGLSSPDARYQQQNPAAVLYQRSKSL  
 SPSSLLGYQQPAL MAAPLSLADAHRSVLVHAGSQGQSSALLHPSPTNQASPVIHYSPTNQQLRCGSH  
 QEFQHIMYCENFAPG TTRPGPPPVSQGRQLSPGSYPTVIQQNATSQRAAKNGPPVSDQKEVLPAGV  
 TIKQEQLDQTYLDELIDTHLSWIQNIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

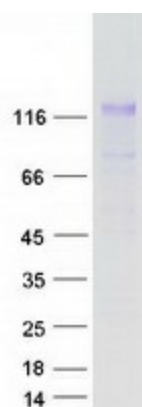
Tag:	C-Myc/DDK
Predicted MW:	99.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_036472</a>
<b>Locus ID:</b>	4773
<b>UniProt ID:</b>	<a href="#">Q13469</a>
<b>RefSeq Size:</b>	3254
<b>Cytogenetics:</b>	20q13.2
<b>RefSeq ORF:</b>	2763
<b>Synonyms:</b>	NFAT1; NFATP
<b>Summary:</b>	This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Apr 2012]
<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 NFATC2 protein (Cat# [TP315180]). The protein was produced from HEK293T cells transfected with NFATC2 cDNA clone (Cat# [RC215180]) using MegaTran 2.0 (Cat# [TT210002]).