

## Product datasheet for TP313966L

### NFAT1 (NFATC2) (NM\_173091) 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 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213966 representing NM_173091 Red=Cloning site Green=Tags(s)

MNAPERQPQPDGGDAPGHEPGGSPQDELDFSI LFDYEYLNPNNEEPNAHKVASPPSGPAYPDDVLDYGLK  
PYSPLASLSGEPGRFGEPDRVGPQKFLSAAK PAGASGLSPRIEITPSHELIQAVGPLRMRDAGLLVEQP  
PLAGVAASPRFTLPVPGFEGYREPLCLSPASSGSSAS FISDTFSPYTPCVSPNNGPDDLCPQFQNI PA  
HYSPTSPIMSPRTSLAEDSCLGRHSPVPRPASRSS SPGAKRRHS CAEALVALPPGASQRRSRSPSPQPS  
SHVAPQDHGSPAGYPPVAGSAVIMDALNSLATD SPCGIPPKMWKTS PDPSPVSAAPSKAGLPRHIYP AVE  
FLGPCEQGERRNSAPESILLVPPTWPKPLVPAI PICSIPVTASLPLEWPLSSQSGSYELRIEVQPKPHH  
RAHYETEGSRGAVKAPTGGHPVQVLHGYMENK PLGLQIFIGTADERILKPHAFYQVHRITGKTVTTTSYE  
KIVGNTKVL EIPLEPKNNMRATIDCAGILKLRN ADIELRKGETDIGRKNTRVRLVFRVHIPESSGRIVSL  
QTASNPIECSQRSAHELPMVERQD TDSCLVYGGQ QMILTGQNFTSESKVVFTEKTTDGGQI WEMEATVDK  
DKSQPNMLFVEIPEYRNKHIRT PVKVN FYVINGKRKRSQPQHFTYHPVPAIKTEPTDEYDPTLICSP THG  
GLGSQPYYPQHMPVAESPSCLVATMAPCQQFR TGLSSPDARYQQQNPAAVLYQRSKSLSPSLLGYQQ PAL  
MAAPLSLADAHRSVLVHAGSQGQSSALLHPSPT NQQASPVHYSPTNQQLR CGSHQEFQHIMYCENFAPG  
TTRPGPPPVSQGRQLSPGSYPTVIQQNATSQR AAKNGPPVSDQKEVLPAGVTIKQEQLNDQTYLDDVNE  
IIRKEFSGPPARNQT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

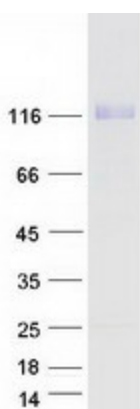
Tag:	C-Myc/DDK
Predicted MW:	100 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_775114</a>
<b>Locus ID:</b>	4773
<b>UniProt ID:</b>	<a href="#">Q13469</a>
<b>RefSeq Size:</b>	3166
<b>Cytogenetics:</b>	20q13.2
<b>RefSeq ORF:</b>	2775
<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# [TP313966]). The protein was produced from HEK293T cells transfected with NFATC2 cDNA clone (Cat# [RC213966]) using MegaTran 2.0 (Cat# [TT210002]).