

Product datasheet for TP313966

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213966 representing NM_173091 Red=Cloning site Green=Tags(s)

MNAPERQPQPDGGDAPGHEPGGSPQDELDFSI LFDYEYLNPNNEEPNAHKVASPPSGPAYPDDVLDYGLK
PYSPLASLSGEPGRFGEPDRVGPQKFLSAAKPAGASGLSPRIEITPSHELIQAVGPLRMRDAGLLVEQP
PLAGVAASPRFTLPVPGFEGYREPLCLSPASSGSSASFISDTFSPYTPCVSPNNGPDDLCPQFQNI
HYPRTSPIMSPRTSLAEDSCLGRHSPVPRPASRSSSPGAKRRHSCAEALVALPPGASQRRSRSPSPQPS
SHVAPQDHGSPAGYPPVAGSAVIMDALNSLATDSPCGIPPKMWKTSPPSPVSAAPSKAGLPRHIYP
FLGPCEQGERRNSAPESILLVPPTWPKPLVPAIPICSIPTASLPPLWPLSSQSGSYELRIEVQPKPHH
RAHYETEGSRGAVKAPTGGHPVQVLHGYMENKPLGLQIFIGTADERILKPHAFYQVHRITGKTVTTTSYE
KIVGNTKVL EIPLEPKNNMRATIDCAGILKLRNADIELRKGGETDIGRKNTRVRLVFRVHIPESSGRIVSL
QTASNPIECSQRSAHELPMVERQD TDSCLVYGGQQMILTGQNFTSESKVVFTEKTTDGGQI WEMEATVDK
DKSQPNMLFVEIPEYRNKHIRT PVKVN FYVINGKRKRSQPQHFTYHPVPAIKTEPTDEYDPTLICSP
THG
GLGSQPYYPQHMPVAESPSCLVATMAPCQQFRTGLSSPDARYQQQNPAAVLYQRSKSLSPSLLGYQ
QPAL
MAAPLSLADAHRSVLVHAGSQGQSSALLHPSPTNQASPVIHYSPTNQQLRCGSHQEFQHIMYCE
NFAPG
TTRPGPPPVSQGRQLSPGSYPTVIQQNATSQRAAKNGPPVSDQKEVLPAGVTIKQEQLNDQTYLDD
VNE
IIRKEFSGPPARNQT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

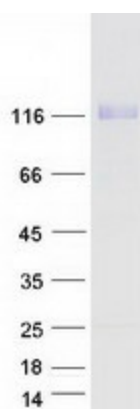
Tag:	C-Myc/DDK
Predicted MW:	100 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_775114
Locus ID:	4773
UniProt ID:	Q13469
RefSeq Size:	3166
Cytogenetics:	20q13.2
RefSeq ORF:	2775
Synonyms:	NFAT1; NFATP
Summary:	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]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	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]).