

## Product datasheet for TP311136M

### NFAT2 (NFATC1) (NM\_172390) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (NFATC1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211136 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPSTSFVPVPSKFPLGPAAAVFGRGETLGPAPRAGGTMKSAEEHYGYASSNVSPALPLPTAHSTLPAPCH  
NLQTSTPGIIPPADHPSGYGAALDGGPAGYFLSSGHTRPDGAPALESPRIEITSCLGLYHNNNQFFHDVE  
VEDVLPSSKRSPSTATLSLPSLEAYRDPSCSPASSLSSRSCNSEASSYESNYSYPYASPQTSPWQSPCV  
SPKTTDPEEGFPRGLGACTLLGSPRHSPSTSPRASVTEESWLGARSSRPASPCNKRKYSLNQRPPYSPH  
HSPTSPHGS PRVSVTDDSWLGNTTQYTSSAIVAAINALTTDSSDLGDGVPVKSRKTTLEQPPSVALKV  
EPVGEDLGSPPPPADFAPEDYSSFQHIRKGGFCDQYLAVPQHPYQWAKPKPLSPTSYSMPTLPALDWQLP  
SHSGPYELRIEVQPKSHHRAHYETEGSRGAVKASAGGHPIVQLHGYLENEPLMLQLFIGTADDRLLRPHA  
FYQVHRITGKTVSTTSHEAILSNTKVLEIPLLPENSMRAVIDCAGILKLRNSDIELRKGETDIGRKNTRV  
RLVFRVHVPQPSGRTLSQLVASNPIECSQRSAQELPLVEKQSTDSYPVVGKKMVLSGHNFLQDSKVIFV  
EKAPDGHVWEMEAKTDRDLCKPNSLVVEIPFRNQRITSPVHVVSFYVCNGKRKRSQYQRFTYLPANGNA  
IFLTVSREHERVGCFF

**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

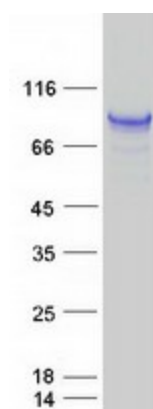
Tag:	C-Myc/DDK
Predicted MW:	77.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<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_765978</a>
<b>Locus ID:</b>	4772
<b>UniProt ID:</b>	<a href="#">O95644</a> , <a href="#">A8K9C6</a> , <a href="#">B5B2M5</a>
<b>RefSeq Size:</b>	2978
<b>Cytogenetics:</b>	18q23
<b>RefSeq ORF:</b>	2148
<b>Synonyms:</b>	NF-ATC; NF-ATc1.2; NFAT2; NFATc
<b>Summary:</b>	The product of this gene is a component of the nuclear factor 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. Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes. [provided by RefSeq, Jul 2013]
<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 NFATC1 protein (Cat# [TP311136]). The protein was produced from HEK293T cells transfected with NFATC1 cDNA clone (Cat# [RC211136]) using MegaTran 2.0 (Cat# [TT210002]).