

Product datasheet for PH326608

NFATC4 (NM_001136022) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NFATC4 MS Standard C13 and N15-labeled recombinant protein (NP_001129494)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226608
Predicted MW:	101.3 kDa
Protein Sequence:	>RC226608 representing NM_001136022 Red=Cloning site Green=Tags(s)

MITTLPSLLPASLASISHRVNLPNSLSHNPGLSKPDFPGNSSPGLPSSSSPGRDLGAPAGSMGAASCE
DEELEFKLVFGEEKEAPPLGAGGLGEELDSEDAPPCCRLALGEPPIYGAAPIGIPRPPPPRPMHSPPPR
PAPSPGTWESQPARSVRLGGPGGGAGGAGGRRVLECPISIRITISISPTPEPPAALEDNPDWGDGSPRDYP
PPEGFGGYREAGGQGGGAFFSPSPGSSSLSSWSFFSDASDEAALYAACDEVESELNEAASRFGLGSLPLPS
PRASPRWTPEDPWSLYGPSPGGRGPEDSWLLSAPGPTASPRPASPCGKRRYSSSGTPSSASPALSRR
GSLGEEGSEPPPPPLPLARDPGSPGPFYVYGAPPAESIPQKTRRTSSEQAVALPRSEEPASCNGKLLPLG
AEESVAPPGGSRKEVAGMDYLAVPSPLAWSKARIGGHSPIFRTSALPPLDWPLPSQYEQLELRIEVQPR
HHRAYHETEGSRGAVKAAPGGHPVVKLLGYSEKPLTLQMFIGTADERNLRPHAFYQVHRITGKMVATASY
EAVVSGTKVLEMTLLPENMAANIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRVHVPQGGKVVV
VQAASVPIECSQSAQELPQVEAYSPSACSVRGGEEVLV TGSNFLPDSKVVFIERPGDKLQWEEETVN
RLQSNVTLTLTVPEYSNKRVS RPVQVYFVYVSNRRKRSPQSFRLPVICKEEPLDSSLRGFPASAT
PFGTDMDFSPRPPYPSYPHEDPACETPYLSEFGYGMPLYPQTGPPPSYRPLRMFPETRGTTGCAQP
PAVSFLPRPFSDPYGGRGSSFSLGLPFSPAPFRPPPLPASPLEGPFPSQSDVHPLPAEYGNKVGPGY
GPGEAPEQEKSRRGGYSSGFRDSVPIQGITLEEGCGTGGCECECVQEIALHVC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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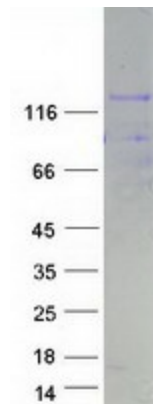
RefSeq:	NP_001129494
RefSeq ORF:	2892
Synonyms:	NF-AT3; NF-ATC4; NFAT3
Locus ID:	4776
UniProt ID:	Q14934
Cytogenetics:	14q12

Summary: This gene encodes a member of the nuclear factor of activated T cells (NFAT) protein family. The encoded protein is part of a 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 stimulation and an inducible nuclear component. NFAT proteins are activated by the calmodulin-dependent phosphatase, calcineurin. The encoded protein plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of interleukin-2 and interleukin-4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

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 NFATC4 protein (Cat# [TP326608]). The protein was produced from HEK293T cells transfected with NFATC4 cDNA clone (Cat# [RC226608]) using MegaTran 2.0 (Cat# [TT210002]).