

# Recombinant Human NFATC3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NFATC3-5888H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NFATC3 MS Standard C13 and N15-labeled recombinant protein (NP_775188) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | The product of this gene is a member of the nuclear factors 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. Other members of this family participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes. Several transcript variants encoding distinct isoforms have been identified for this gene. |
| <b>Molecular Mass</b>   | 115.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MTTANCGAHDELDFKLVFGE DGAPAPPPPGSRPADLEPDDCASIYIFNVDPPPSTLT<br>TPLCLPHHGLPSHSSVLSPSFQLQSHKNYEGTCEIPESKYSPLGGPKPFECPSIQITS<br>ISPNCHQELDAHEDDLQINDPEREFLERPSRDHLYLPLEPSYRESSLSPSPASSISSR<br>SWFSDASSCESLSHIYDDVDSELNEAAARFTLGSPLTSPGGSPGGCPGEETWHQQ<br>YGLGHSLSPRQSPCHSPRSSVTDENWLSRPASGPSSRPTSPCGKRRHSSAEVCY<br>AGSLSPHHSPVPSPGHSPRGSVTEDTWLNASVHGGSGLGPAVFPFQYCVETDIPLK                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TRKTSQDQAAILPGKLELCSDDQGSLSAPARETSIDDGLGSQYPLKKDSCGDQFLSVP  
 SPFTWSKPKPGHTPIFRTSSLPLDWPLPAHFGQCELKIEVQPKTHHRAHYETEGSR  
 GAVKASTGGHPVVKLLGYNEKPINLQMFIGTADDRYLPHAFYQVHRITGKTVATAS  
 QEIIIASTKVLEIPLLNNMSASIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRVH  
 IPQPSGKVLSQLIASIPVECSQSAQELPHIEKYSINSCSVNGGHEMVVVGTSNPLPES  
 KIIFLEKGDGRPQWEVEGKIIREKCQGAHIVLEVPPYHNPVTAQVHFYLCNGK  
 RKKSQSQRFTYTPVLMKQEHREEIDLSSVPSLPVPHPAQTQRPSSDSGCSHDSVLS  
 GQRLICSIPQTYASMVTSSHLPQLQCRDESVSKEQHMIPIVHQPFPQVTPPTPVG  
 SSYQPMQTNVVYNGPTCLPINAASSQEFDSVLFQQDATLSGLVNLGCQPLSSIPFHS  
 SNSGSTGHLLAHTPHSVHTLPHLQSMGYHCSNTGQRLSSPVADQITGQPSSQLQP  
 ITYGPSHSGSATTASPAASHPLASSPLSGPPSPQLQPMYQSPSSGTASSPSPATR  
 MHSGQHSTQAQSTGQGLSAPSSLICHSLCDPASFPDPGATVSIKPEPEDREPNA  
 TIGLQDITLDDVNEIIGRDMSQISVSQGAGVSRQAPLPSPESLDLGRSDGLTRTRPLE  
 QKLISEEDLAANDILDYKDDDDKV

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability**

Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage**

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration**

50 µg/mL as determined by BCA

**Storage Buffer**

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name**

NFATC3 nuclear factor of activated T cells 3 [ Homo sapiens (human) ]

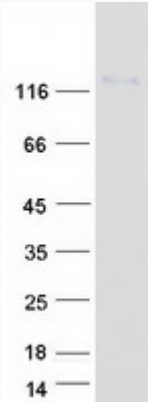
**Official Symbol**

NFATC3

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|                       |                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | NFATC3; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3; nuclear factor of activated T-cells, cytoplasmic 3; NFAT4; NFATX; NF-ATc3; T cell transcription factor NFAT4; nuclear factor of activated T-cells c3 isoform IE-Xa; |
| <b>Gene ID</b>        | <a href="#">4775</a>                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>    | <a href="#">NM_173165</a>                                                                                                                                                                                                                              |
| <b>Protein Refseq</b> | <a href="#">NP_775188</a>                                                                                                                                                                                                                              |
| <b>MIM</b>            | <a href="#">602698</a>                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>     | <a href="#">Q12968</a>                                                                                                                                                                                                                                 |
| <b>SDS-PAGE</b>       |                                                                                                                                                                     |