

## Product datasheet

# Recombinant Human NFAT4/NF-ATc3 protein ab114667

[1 References](#) [1 Image](#)

### Description

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<b>Product name</b>	Recombinant Human NFAT4/NF-ATc3 protein
<b>Expression system</b>	Wheat germ
<b>Accession</b>	<u><a href="#">Q12968</a></u>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human

### Sequence

MTTANCGAHDELDFKLVFGEDGAPAPPPPGSRPADLEP  
DDCASYMFNVD  
PPPSTLTTPLCLPHHGLPSHSSVLSPSFQLQSHKNYEGTC  
EIPESKYSPL  
GGPKPFECPSIQITSISPNCHELDHAHEDDLQINDPEREFL  
ERPSRDHLY  
LPLEPSYRESSLSPSPASSISSRSWFSDASSCESLSHYD  
DVDSELNEAA  
ARFTLGSPILTSPGGSPGGCPGEETWHQQYGLGHLSLSPR  
QSPCHSPRSSVT  
DENWLSRPASGPSSRPTSPCGKRRHSSAEVCYAGSL  
PHHSPVPSPGHS  
PRGSVTEDTWNASVHGGSGLGPVFPFQYCVETDIPLK  
TRKTSSEQAAI  
LPGKLELCSDDQGSLSPPARETSIDDGLGSQYPLKKDSCG  
DQFLSVSPFT  
WSKPKPGHTPIFRTSSLPLDWPLPAHFGQCELKIEVQPK  
THHRAHYETE  
GSRGAVKASTGGHPVVKLLGYNEKPINLQMFIGTADDRYL  
RPHAFYQVHR  
ITGKT VATASQEIIIASTKVLEIPLLPENNMSASIDCAGILKLR  
NSDIEL  
RKGETDIGRKNTRVRLVFRVHIPQPSGKVLSLQIASIPVEC  
SQRSAQELP  
HIEKYSINSCSVNGGHEMVVTGSNFLPESKIIFLEKQDGR  
PQWEVEGKI

IREKCQGAHIVLEVPPYHNPAVTA AVQVHFYLCNGKRKKS  
QSQRFTYTPV  
LMKQEHREEIDLSSVPSLPVPHPAQTQRPSSDSGC SHDS  
VLSGQRSLICS  
IPQTYASMVTSSHLPQLQCRDESVSKEQHMIPSPIVHQPF  
QVTPTPPVGS  
SYQPMQTNVYNGPTCLPINAASSQEFD SVLFQQDATLS  
GLVNLGCQPLS  
SIPFHSSNSGSTGHLLAHTPHSVHTLPHLQSMGYHCSNTG  
QRSLSSPVAD  
QITGQPSSQLQPITYG PSHSGSATTASPAASHPLASSPLS  
GPPSPQLQPM  
PYQSPSSGTASSPSPATRMHSGQHSTQAQSTGQGGLSA  
PSSLICHSLCDP  
ASFPPDGATVSIKPEPEDREP NFATIGLQDITLDDDQFISD  
LEHQPSGSA EKWPNH SVLSCPAPFWRI

**Predicted molecular weight** 144 kDa  
**Amino acids** 1 to 1068

## Specifications

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Our **Abpromise guarantee** covers the use of **ab114667** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Western blot  
ELISA  
SDS-PAGE

**Form** Liquid

**Additional notes** This product was previously labelled as NFAT4.

## Preparation and Storage

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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

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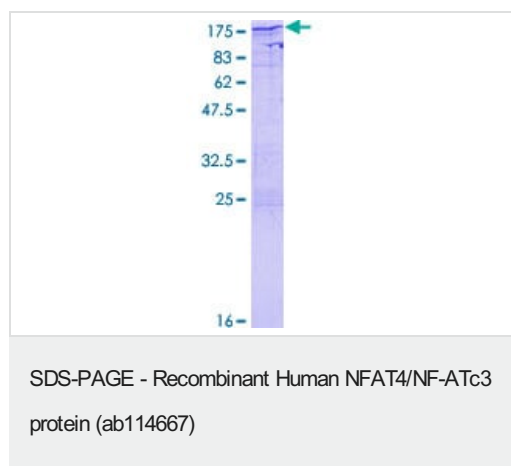
**Function** Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2.

**Tissue specificity** Isoform 1 is predominantly expressed in thymus and is also found in peripheral blood leukocytes and kidney. Isoform 2 is predominantly expressed in skeletal muscle and is also found in thymus, kidney, testis, spleen, prostate, ovary, small intestine, heart, placenta and pancreas. Isoform 3 is expressed in thymus and kidney. Isoform 4 is expressed in thymus and skeletal muscle.

**Sequence similarities** Contains 1 RHD (Rel-like) domain.

<b>Domain</b>	Rel Similarity Domain (RSD) allows DNA-binding and cooperative interactions with AP1 factors.
<b>Post-translational modifications</b>	Phosphorylated by NFATC-kinase; dephosphorylated by calcineurin.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Cytoplasmic for the phosphorylated form and nuclear after activation that is controlled by calcineurin-mediated dephosphorylation. Rapid nuclear exit of NFATC is thought to be one mechanism by which cells distinguish between sustained and transient calcium signals. The subcellular localization of NFATC plays a key role in the regulation of gene transcription.

## Images



SDS-PAGE analysis of ab114667 on a 12.5% gel stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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