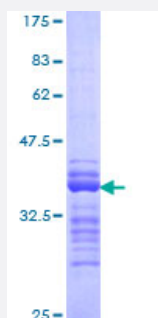


NFATC3 (Human) Recombinant Protein (Q01)

Catalog # H00004775-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NFATC3 partial ORF (NP_775188, 70 a.a. - 149 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HSSVLSPSFQLQSHKNYEGTCEIPESKYSPLGGPKPFECPSIQITSISPNCHQELDAHEDDLQINDP EREFLERPSRDHL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.54
Interspecies Antigen Sequence	Mouse (89); Rat (86)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NFATC3

Entrez GeneID [4775](#)

GeneBank Accession# [NM_173165](#)

Protein Accession# [NP_775188](#)

Gene Name NFATC3

Gene Alias NFAT4, NFATX

Gene Description nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3

Omim ID [602698](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Four transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations T cell transcription factor NFAT4|nuclear factor of activated T-cells c3 isoform IE-Xa|nuclear factor of activated T-cells, cytoplasmic 3

Pathway

- [Axon guidance](#)
- [B cell receptor signaling pathway](#)

- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Kidney Failure](#)