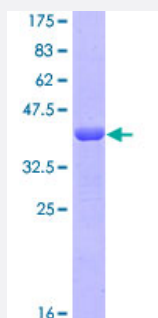


NFATC2 (Human) Recombinant Protein (Q01)

Catalog # H00004773-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NFATC2 partial ORF (NP_036472, 812 a.a. - 921 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HYSPTNQQLRCGSHQEFQHIMYCENFAPGTTRPGPPPVSQGQRLSPGSYPTVIQQQNATSQRAA KNGPPVSDQKEVLPAGVTIKQEQNLDQTYLDDELIDTRLSWIQNIL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — NFATC2

Entrez GeneID [4773](#)

GeneBank Accession# [NM_012340](#)

Protein Accession# [NP_036472](#)

Gene Name NFATC2

Gene Alias KIAA0611, NFAT1, NFATP

Gene Description nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2

Omim ID [600490](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations NFAT pre-existing subunit|NFAT transcription complex, preexisting component|OTTHUMP0000031291|T cell transcription factor NFAT1|nuclear factor of activated T-cells, cytoplasmic 2|nuclear factor of activated T-cells, preexisting component|preexisting nucl

Pathway

- [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](#)

Disease

- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)