

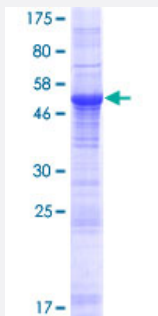
Full-Length

# RFXANK (Human) Recombinant Protein (P01)

Catalog # H00008625-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human RFXANK full-length ORF ( NP\_604389.1, 1 a.a. - 237 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MELTQPAEDLIQTQQTPASELGDPEDPGEEAADGSDTVVLSLFPCTPEPVNPEPDASVSSPQG  
SSLKHSTTLTNRQRGNEVSALPATLDCDNLVNKPDERGFTPLWASAFGEIETVRFLLEWGADPHI  
LAKERESALSLASTGGYTDMGLLLERDVDINYDWNGGTPLL YAVRGNHVKCVEALLARGADLTTE  
ADSGYTPMDLAVALGYRKVQQVIENHILKLFQSNLVPADPE

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

52

### Interspecies Antigen Sequence

Mouse (77); Rat (72)

### 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 — RFXANK

Entrez GeneID [8625](#)

GeneBank Accession# [NM\\_134440.1](#)

Protein Accession# [NP\\_604389.1](#)

Gene Name RFXANK

Gene Alias ANKRA1, BLS, F14150\_1, MGC138628, RFX-B

Gene Description regulatory factor X-associated ankyrin-containing protein

Omim ID [209920 603200](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Major histocompatibility (MHC) class II molecules are transmembrane proteins that have a central role in development and control of the immune system. The protein encoded by this gene, along with regulatory factor X-associated protein and regulatory factor-5, forms a complex that binds to the X box motif of certain MHC class II gene promoters and activates their transcription. Once bound to the promoter, this complex associates with the non-DNA-binding factor MHC class II transactivator, which controls the cell type specificity and inducibility of MHC class II gene expression. This protein contains ankyrin repeats involved in protein-protein interactions. Mutations in this gene have been linked to bare lymphocyte syndrome type II, complementation group B. Two transcript variants encoding different isoforms have been described for this gene, with only one isoform showing activation activity. [provided by RefSeq]

**Other Designations** DNA-binding protein RFXANK|RFX-Bdelta4|ankyrin repeat-containing regulatory factor X-associated protein|regulatory factor X subunit B

## Pathway

- [Antigen processing and presentation](#)
- [Primary immunodeficiency](#)