

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

**Cat. No.** RFXANK-857H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | RFXANK MS Standard C13 and N15-labeled recombinant protein (NP_003712) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. |
| <b>Molecular Mass</b>   | 28.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MELTQPAEDLIQTQQTPASELGDPEDPGEEAADGSDTVVLSLFPCTPEPVNPEPDA<br>SVSSPQAGSSLKHSTTLNTRQRGNEVSALPATLDSLSIHLAQAQGELDQLKEHLRKG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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DNLVNKPDERGFTPLIWASAFGEIETVRFLLEWGADPHILAKERESALSLASTGGYTD  
IVGLLLERDVDINIYDWNGGTPLLYAVRGNHVKVCVEALLARGADLTTEADSGYTPMD  
LAVALGYRKVQQVIENHILKLFQSNLVPADPETRTRPLEQKLISEEDLAANDILDYKDD  
DDKV

**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** RFXANK regulatory factor X-associated ankyrin-containing protein [ Homo sapiens (human) ]

**Official Symbol** RFXANK

**Synonyms** RFXANK; regulatory factor X-associated ankyrin-containing protein; DNA-binding protein RFXANK; ANKRA1; ankyrin repeat containing regulatory factor X associated protein; BLS; DNA binding protein RFXANK; F14150\_1; MGC138628; regulatory factor X subunit B; RFX B; RFX Bdelta4; RFX-Bdelta4; ankyrin repeat family A protein 1; ankyrin repeat-containing regulatory factor X-associated protein; RFX-B;

**Gene ID** 8625

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|----------------|---------------------------|
| mRNA Refseq    | <a href="#">NM_003721</a> |
| Protein Refseq | <a href="#">NP_003712</a> |
| MIM            | <a href="#">603200</a>    |
| UniProt ID     | <a href="#">O14593</a>    |

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