

## Product datasheet for **TP320744L**

### RFXANK (NM\_003721) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human regulatory factor X-associated ankyrin-containing protein (RFXANK), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220744 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MELTQPAEDLIQTQQTPASELGDPEDPGEEAADGSDTVVLSLFPCTPEPVNPEPDASVSSPQAGSSLKHS TTLNTRQRGNEVSALPATLDSLISHLAAQGELDQLKEHLRKGDNLVNKPDERGFTPLIWASAFGEIETV RFLLEWGADPHILAKERESALSLASTGGYTDIVGLLLERDVDINIYDWNGGTPLLYAVRGNHVKVEALL ARGADLTTEADSGYTPMDLAVALGYRKVQQVIENHILKLFQSNLVPADPE</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	27.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_003712</a>
Locus ID:	8625



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UniProt ID: [O14593](#), [A0A024R7M1](#)

RefSeq Size: 1455

Cytogenetics: 19p13.11

RefSeq ORF: 780

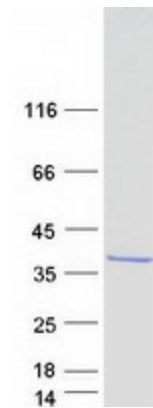
Synonyms: ANKRA1; BLS; F14150\_1; RFX-B

**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. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2013]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Antigen processing and presentation, Primary immunodeficiency

### Product images:



Coomassie blue staining of purified RFXANK protein (Cat# [TP320744]). The protein was produced from HEK293T cells transfected with RFXANK cDNA clone (Cat# [RC220744]) using MegaTran 2.0 (Cat# [TT210002]).