

Product datasheet for PH320744

RFXANK (NM_003721) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RFXANK MS Standard C13 and N15-labeled recombinant protein (NP_003712)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220744
Predicted MW:	28.1 kDa
Protein Sequence:	>RC220744 protein sequence Red=Cloning site Green=Tags(s) MELTQPAEDLIQTQQTASELGDPEDPGEEAADGSDTVVLSLFPCTPEPVNPEPDASVSSPQAGSSLKHS TTLTNRQRGNEVSALPATLDSL SIHQLAAQGELDQLKEHLRKGDNLVNKPDERGF TPLIWASAFGEIETV RFLLEWGADPHILAKERESALSLASTGGYTDIVGLLLERDVDINIYDWNGGTPLL YAVRGNHVKCV EALL ARGADLTTEADSGYTPMDLAVALGYRKVQQVIENHILKLFQSNLVPADPE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003712
RefSeq Size:	1455
RefSeq ORF:	780
Synonyms:	ANKRA1; BLS; F14150_1; RFX-B
Locus ID:	8625
UniProt ID:	O14593 , A0A024R7M1



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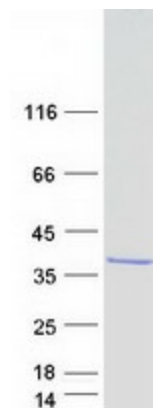
Cytogenetics: 19p13.11

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]).