

## Product datasheet for **TP312448M**

### RFX5 (NM\_001025603) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC212448 representing NM_001025603 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAEDEPDAKSPKTGGRAPPGGAEAGEPTLLQRLRGTISKAVQNKVEGILQDVQKFSNDNDKLYLYLQLPS  GPTTGDKSSESTLSNEEYMYAYRWIRNHLEHTDCLPKQSVYDAYRKYCESLACCRPLSTANFGKIIR  EIFPDIKARRLGGRGQSKYCYSGIRKTLVSMPLPGLDLKGSEPEMGPVTPAPRDELVEAACALTCD  WAERILKRSFSSIVEVARFLLQQHLISARSAHAHVLMKAMGLAEDEHAPRERSSKPKNGLENPEGGAHKK  PERLAQPPKDLEARTGAGPLARGERKKSWEVSSAPGANNLQVNALVARLPLLLPRAPRSLIPPVSPPI  LAPRLSSGALKVATLPLSSRAGAPPAAVPIINMILPTVPALPGPGPGRAPPGLTQPRGTENREVGIG  GDQGPHDKGVKRTAEVPVSEASGQAPPAKAAKQDIEDTASDAKRRGRPRKKS GSGERNSTPLKSAAM  ESAQSSRLPWETWGGEGNSAGGAERPGMGAEKGAVLAQQGQDGTVSKGGRGPGSQHTKEAEDKIPL  VPSKVSVIKGSRSQKEAFPLAKGEVDTAPQGNKDLKEHVLQSSLSQEHEKDPKATPP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	65.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**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:** [NP\\_001020774](#)

**Locus ID:** 5993

**UniProt ID:** [P48382](#)

**RefSeq Size:** 3611

**Cytogenetics:** 1q21.3

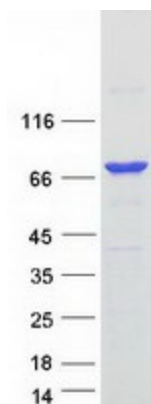
**RefSeq ORF:** 1848

**Summary:** A lack of MHC-II expression results in a severe immunodeficiency syndrome called MHC-II deficiency, or the bare lymphocyte syndrome (BLS; MIM 209920). At least 4 complementation groups have been identified in B-cell lines established from patients with BLS. The molecular defects in complementation groups B, C, and D all lead to a deficiency in RFX, a nuclear protein complex that binds to the X box of MHC-II promoters. The lack of RFX binding activity in complementation group C results from mutations in the RFX5 gene encoding the 75-kD subunit of RFX (Steimle et al., 1995). RFX5 is the fifth member of the growing family of DNA-binding proteins sharing a novel and highly characteristic DNA-binding domain called the RFX motif. Multiple alternatively spliced transcript variants have been found but the full-length natures of only two have been determined. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

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

### Product images:



Coomassie blue staining of purified RFX5 protein (Cat# [TP312448]). The protein was produced from HEK293T cells transfected with RFX5 cDNA clone (Cat# [RC212448]) using MegaTran 2.0 (Cat# [TT210002]).