

Product datasheet for **TP761917**

RFX5 (NM_000449) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, Leu391-Pro616, with N-terminal HIS tag, expressed in E. coli, 50ug |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding the region(Leu391-Pro616) of RFX5 |
| Tag: | N-His |
| Predicted MW: | 23.1 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, pH 8.0, 150 mM NaCl, 10% glycerol |
| 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: | NP_000440 |
| Locus ID: | 5993 |
| UniProt ID: | P48382 |
| RefSeq Size: | 3618 |
| Cytogenetics: | 1q21.3 |
| RefSeq ORF: | 1848 |



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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 nature 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: