

Datasheet for ABIN7563312  
**RFX2 Protein (AA 1-717) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RFX2
Protein Characteristics:	AA 1-717
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RFX2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Rfx2 Protein expressed in mammalian cells.
Sequence:	<p>MQNSEGGADS PASVALRPAA QMPASPQRV LVQAAGSTPK GTPMQTLTLP RVQPVPPQVQ            HVYPAQVQYV EGGDAVYANG AIRAAYAYNP DPQLYAPSSA ASYFETPGGT QVTVAASSPP            AVPSHGMVGI TMDVSGTPIV SGAGAYLIHG GMDGTRHSLA HTARSSPATL EMAIETLQKS            EGLAPHKGGI LNSHLQWLLD NYETAEGVSL PRSSLYNHYL RHCQEHKLEP VNAASFGKLI            RSVFMGLRTR RLGTRGNSKY HYYGIRLKPDP SPLNRLQEDT QYMAMRQQPT HQKPRYRPAQ            KSDSLGDGSA HSNMHGMPDQ AMATQGQHHQ QYIDVSHVFP EFPAPDLGST LLQESVTLHD            VKALQLVYRR HCEATLDVVM NLQFQYIEKL WLSFWNCKAT SSDSCASLPA SDEDPEVTLL            PKEKLISLCK CEPILQWMRS CDHILYQTLV ETLPDVLRP VPSSLTQAIR NFAKSLEGWL            INAMSGFPQQ VIQTKVGVVS AFAQTLRRYT SLNHLAQAAR AVLQNTSQIN QMLSDLNRVD            FANVQEQASW VCQCEESLVQ RLEHDFKVTI QQSSLDQWA SWLDNVVTQV LKQHSGSPSF            PKAARQFLK WSFYSSMVR DLTLSAASF GSFHLIRLLY DEYMFYLVH RVAQATGETP            IAVMGEFNDL ASLSLTLLDK EDIGDGHSS EADVDGRSLGE PLVKRERSDP SHPLQGI <b>Sequence</b></p>

**without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

**Target:** RFX2

**Alternative Name:** Rfx2 ([RFX2 Products](#))

**Background:** DNA-binding protein RFX2 (Regulatory factor X 2),FUNCTION: Transcription factor that acts as a key regulator of spermatogenesis (PubMed:26248850, PubMed:26162102, PubMed:26853561). Acts by regulating expression of genes required for the haploid phase during spermiogenesis, such as genes required for cilium assembly and function (PubMed:26162102, PubMed:26853561). Recognizes and binds the X-box, a regulatory motif with DNA sequence 5'-GTNRCC(0-3N)RGYAAC-3' present on promoters (PubMed:15229132, PubMed:26162102). Probably activates transcription of the testis-specific histone gene H1-6 (PubMed:15229132). {ECO:0000269|PubMed:15229132, ECO:0000269|PubMed:26162102,

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ECO:0000269|PubMed:26248850, ECO:0000269|PubMed:26853561}.

Molecular Weight: 79.2 kDa

UniProt: [P48379](#)

## Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months