

Datasheet for ABIN7564326
FBXL21 Protein (AA 1-434) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	FBXL21
Protein Characteristics:	AA 1-434
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXL21 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Fbxl21 Protein expressed in mammalian cells.
Sequence:	MKRNNFSAVN KVVQSSPVVK QPKRGLCSSL RQTHALSVLL DWGTLPHHVI LQIFQYLPLI DRARASSVCR RWNEVFHIPD LWRKFELN QSATSYFKST HPDLIQQIIK KHA AHLQYVS FKVDSSTESA EAACDILSQL VNCSIQTLGL ISTAKPSFMN VPKSHFVSAL TVVFN SKSL SSIKIEDTPV DDP SLKILVA NNSDTLRLK M SSCP HVSSD GILCVADHCQ GLRELALNYY ILSDEILLAL SETHVNLEH LRIDV VSENP GQIKFHSIKK RSWDALIKHS PRNVVMYFF LYEEFEAFF KEETPVTHLY FG RSVRAIL GRIGLNC PRL IELVVCANGL LPLDSELIRI AKHCKNL TSL GLSECEVSCS AFVEFVRLCG RRLTQLSIME EVLPDDRYT PDEVHTEVSK HLGRVWF PDV MPIW Sequence 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.

Product Details

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:

FBXL21

Alternative Name:

Fbxl21 ([FBXL21 Products](#))

Background:

F-box/LRR-repeat protein 21 (F-box and leucine-rich repeat protein 21) (F-box and leucine-rich repeat protein 3B) (F-box/LRR-repeat protein 3B),FUNCTION: Substrate-recognition component of the SCF(FBXL21) E3 ubiquitin ligase complex involved in circadian rhythm function. Plays a key role in the maintenance of both the speed and the robustness of the circadian clock oscillation. The SCF(FBXL21) complex mainly acts in the cytosol and mediates ubiquitination of CRY proteins (CRY1 and CRY2), leading to CRY proteins stabilization. The SCF(FBXL21) complex counteracts the activity of the SCF(FBXL3) complex and protects CRY proteins from degradation. Involved in the hypothalamic suprachiasmatic nucleus (SCN) clock regulating temporal organization of the daily activities. {ECO:0000269|PubMed:18953409, ECO:0000269|PubMed:23452855, ECO:0000269|PubMed:23452856}.

Molecular Weight:

49.2 kDa

UniProt:

[Q8BFZ4](#)

Target Details

Pathways: [Photoperiodism](#)

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