

Datasheet for ABIN7553893
FBXW5 Protein (AA 1-566) (His tag)



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Overview

Quantity:	1 mg
Target:	FBXW5
Protein Characteristics:	AA 1-566
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXW5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FBXW5 Protein expressed in mammalian cells.
Sequence:	<p>MDEGGTPLLP DSLVYQIFLS LGPADVLAAG LVCRQWQAVS RDEFLWREQF YRYYQVARDV PRHPAAMSWY EEFQRLYDTV PCVEVQTLRE HTDQVLHLSF SHSGYQFASC SKDCTVKIWS NDLTISLLHS ADMRPYNWSY TQFSQFNKDD SLLLASGVFL GPHNSSSGEI AVISLDSFAL LSRVRNKPYD VFGCWL TETS LISGNLHRIG DITSCSVLWL NNAFQDVESE NVNVVKRLF IQNLNASTVR TVMVADCSR F DSPDLLLEAG DPATSPCRIF DLGSDNEEVV AGPAPAHAKE GLRHFLDRVL EGRAQPQLSE RMLETKVAEL LAQGHTKPPE RSATGAKSKY LIFTTGCLTY SPHQIGIKQI LPHQMTTAGP VLGEGRGSDA FFDALDHVID IHGHIIGMGL SPDNRYL VVN SRAWPNGAVV ADPMQPPPIA EEIDLLVFDL KTMREVRRL RAHRAYTPND ECFIFLDVVS RDFVASGAED RHGYIWRHY NICLARLRHE DVVNSVVFSP QEQELLTAS DDATIKAWRS PRTMRVLQAP RPRPRTFFSW LASQRR 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.</p>

Product Details

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: FBXW5

Alternative Name: FBXW5 ([FBXW5 Products](#))

Background: F-box/WD repeat-containing protein 5 (F-box and WD-40 domain-containing protein 5),FUNCTION: Substrate recognition component of both SCF (SKP1-CUL1-F-box protein) and DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complexes. Substrate recognition component of the SCF(FBXW5) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of SASS6 during S phase, leading to prevent centriole reduplication. The SCF(FBXW5) complex also mediates ubiquitination and degradation of actin-regulator EPS8 during G2 phase, leading to the transient degradation of EPS8 and subsequent cell shape changes required to allow mitotic progression. Substrate-specific adapter of the DCX(FBXW5) E3 ubiquitin-protein ligase complex which mediates the polyubiquitination and subsequent degradation of TSC2. May also act as a negative regulator of MAP3K7/TAK1 signaling in the interleukin-1B (IL1B) signaling pathway.

Target Details

{ECO:0000269|PubMed:18381890, ECO:0000269|PubMed:19232515, ECO:0000269|PubMed:21725316}.

Molecular Weight: 63.9 kDa

UniProt: [Q969U6](#)

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