Datasheet for ABIN7564199

FBXO11 Protein (AA 1-930) (His tag)

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Overview

Quantity:	1 mg
Target:	FBXO11
Protein Characteristics:	AA 1-930
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXO11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Fbxo11 Protein expressed in mammalian cells.
Sequence:	MNSVRAANRR PRRVSRPRPV QQQQQQPPQQ PPPQPPQQQP PPQPPQQPPQ QQPPPPPQQQ PPPPPPPPPP PPQDRNNAGE RDDVPADMVA EESGPGAQNS PYQLRRKTLL PKRTACPTKS SMEGASTSTT ENFGHRAKRA RVSGKSQDLS AAPAEQYLQE KLPDEVVLKI FSYLLEQDLC RAACVCKRFS ELANDPILWK RLYMEVFEYT RPMMHPEPGK FYQINPEEYE HPNPWKESFQ QLYKGAHVKP GFAEHFYSNP ARYKGRENML YYDTIEDALG GVQEAHFDGL IFVHSGIYTD EWIYIESPIT MIGAAPGKVA DKVIIENTRD STFVFMEGSE DAYVGYMTIR FNPDDKSAQH HNAHHCLEIT VNCSPIIDHC IIRSTCTVGS AVCVSGQGAC PTIKHCNISD CENVGLYITD HAQGIYEDNE ISNNALAGIW VKNHGNPIIR RNHIHHGRDV GVFTFDHGMG YFESCNIHRN RIAGFEVKAY ANPTVVRCEI HHGQTGGIYV HEKGRGQFIE NKIYANNFAG VWITSNSDPT IRGNSIFNGN QGGVYIFGDG RGLIEGNDIY GNALAGIQIR TNSCPIVRHN KIHDGQHGGI YVHEKGQGVI EENEVYSNTL AGVWVTTGST PVLRRNRIHS GKQVGVYFYD NGHGVLEDND IYNHMYSGVQ IRTGSNPKIR RNKIWGGQNG GILVYNSGLG CIEDNEIFDN AMAGVWIKTD

Product Details

	SNPTLRRNKI HDGRDGGICI FNGGRGLLEE NDIFRNAQAG VLISTNSHPV LRKNRIFDGF AAGIEITNHA TATLEGNQIF NNRFGGLFLA SGVNVTMKDN KIMNNQDAIE KAVSRGQCLY KISSYTSYPM HDFYRCHTCN TTDRNAICVN CIKKCHQGHD VEFIRHDRFF CDCGAGTLSN PCTLAGEPTH DTDTLYDSAP PIESNTLQHN **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.
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:	FBXO11
Alternative Name:	Fbxo11 (FBXO11 Products)
Background:	F-box only protein 11,FUNCTION: Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as DTL/CDT2, BCL6 and PRDM1/BLIMP1. The SCF(FBXO11) complex mediates ubiquitination and degradation of BCL6, thereby playing a

Target Details

	role in the germinal center B-cells terminal differentiation toward memory B-cells and plasma cells. The SCF(FBXO11) complex also mediates ubiquitination and degradation of DTL, an important step for the regulation of TGF-beta signaling, cell migration and the timing of the cell-cycle progression and exit. Binds to and neddylates phosphorylated p53/TP53, inhibiting its transcriptional activity. Plays a role in the regulatiom of erythropoiesis but not myelopoiesis or megakaryopoiesis. Mechanistically, activates erythroid genes by mediating the degradation of BAHD1, a heterochromatin-associated protein that recruits corepressors to H3K27me3 marks. Participates in macrophage cell death and inflammation in response to bacterial toxins by regulating the expression of complement 5a receptor 1/C5AR1 and IL-1beta. Acts as a critical regulator to determine the level of MHC-II by mediating the recognition of degron at the P/S/T domain of CIITA leading to its ubiquitination and subsequent degradation via the proteasome. Participates in the antiviral repsonse by initiating the activation of TBK1-IRF3-IFN-I axis. Mediates the 'Lys-63'-linked ubiquitination of TRAF3 to strengthen the interaction between TRAF3 and TBK1. {ECO:0000250|UniProtKB:Q86XK2}.
Molecular Weight:	103.7 kDa
UniProt:	Q7TPD1
Pathways:	Sensory Perception of Sound

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