

Datasheet for ABIN7564397

FBX038 Protein (AA 1-1194) (His tag)



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Overview

Quantity:	1 mg
Target:	FBX038
Protein Characteristics:	AA 1-1194
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBX038 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Fbxo38 Protein expressed in mammalian cells.
Sequence:	MGPRKKSARKV CVMDSEVAEE MTADEEKDYM NQLSHEVLCH IFRYLPLQDI MCMECLSRKL KEAVTLYLRLV VRVVDLCAGR WVEYMPSGFT DSSFLTLLKK MPDVEQLYGL HPRYLERRRV RGQEAFSIPG VLEALQACPN LVGVETSHLE LVESIWTYMP HVHILGKFRN RGAFFIPPE NKLKIPGAK IQTLHLVGVN VPEIPCIPML RHLYMKWVRL TKPQPFKDFL CISLRTFVMR NCAGPTNSLK YVPLVTGLAS ARNLEHLEMV RVPFLGGLIQ HVVEDSWRSG GFRNLHTIVL GACKNALEVD LGYLIITAAR RLHEVRIQPS LTKDGVFSAL KMAELEFPQF ETLHLGYVDE FLLQSRMANA DLVKYGLADV VENPGIITDI GMKAVNEVFS CIKYLAIYNC PHLHNPYNWI SDHSRWMLRV DINLVRCHAL KLDSFGQFVE LLPSLEFISL DQMFREPPKG CARVGLSAGT GIGVSSALVS NQNSNNDNDN NAPNNNANLH DNNHHHPDDS DDDNDFRPDL QAGEAQFAAD ALNEMEDMVQ EDGELVAESG NGMPAHNREV LPVDADEEQA GPSGLQRVVK PTPIADHDSE SDDEEDSLEL QEVWAPKNGT RRYSEREEKT GDSGQSRETA VSGKGKTPLR KRCNNSHQTG QAKPFPLEES SCEKGCQVTS ESIKADMKAA RDVSEKKKSK DVYPSCSSSS SSTAASTAGN

Product Details

ASSPSTASQS PDFARTVTSS GSSESPPEV DVSRQCVCSPP GGSEDSEAME EGDAESSVCP
RCCCLRPQES QRRTGRCSDE ERPSTSRACV VNGADGTRSA FSFRTLPPQGG SSGPAHDERT
NGSGCGATGE DRRGSSQPES CDVQSNEDYP RRPLTRARSR LSHVPLISES EVAKTKPCHA
MKRKRTADKS TSTSDPVIED DHVQVLVLKS KNLVGVMTN CGITDLVLKD CPKMMFIHAT
RCRVLKHLKV ENAPIVNRFD YAQCKKLNMD QVLDQILRMP PERNRIIYLR PMQQVDTLTL
EQKLFSGPYP YHICIIHEFS NPPNVRNKVR IRNWMDTIAN INQELIKYEF FLEATRTEED
LKKYPKYPWG REIYTLEGVV DGAPYSMISD FPWLRSLRTA EPNSFARYDF EDDEESTIYA
PRRKGQLSAD ICMETIGEEI SEMRQMKRGI FQRVVAIFIH YCDVNGEPVE DDYI **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:	FBX038
Alternative Name:	Fbxo38 (FBX038 Products)

Target Details

Background:	F-box only protein 38 (Modulator of KLF7 activity) (MoKA),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 PDCD1/PD-1, thereby regulating T-cells-mediated immunity (PubMed:30487606). Required for anti-tumor activity of T-cells by promoting the degradation of PDCD1/PD-1, the PDCD1-mediated inhibitory pathway being exploited by tumors to attenuate anti-tumor immunity and facilitate tumor survival (PubMed:30487606). May indirectly stimulate the activity of transcription factor KLF7, a regulator of neuronal differentiation, without promoting KLF7 ubiquitination (PubMed:14729953, PubMed:16990251). {ECO:0000269 PubMed:14729953, ECO:0000269 PubMed:16990251, ECO:0000269 PubMed:30487606}.
Molecular Weight:	133.9 kDa
UniProt:	Q8BMIO

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