Datasheet for ABIN7557153

# FBXO7 Protein (AA 1-523) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | FBXO7 |
| Protein Characteristics: | AA 1-523 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FBXO7 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

## Product Details

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| Purpose: | Custom-made recombinat Fbxo7 Protein expressed in mammalien cells. |
| Sequence: | MKLRVRLQKR TQPLEVPESE PTLGQLRAHL SQVLLPTLGF SSDTRFAITL NNKDALTGDE ETLASYGIVS GDLICLVLED DMPAPNLPSS TDTEHSSLQD NDQPSLAATP SQTNIPDEQG TDSSQGQATP FDAWTDDSME GPSQNVEAES IQDAMSMEEV SGFHPLEPML CNETEDGQVP HSLETLYQSA GCSNISDALI VLVHLLMLES GYIPQGTETK AVTMPEKWKS SGVYKLQYTH PLCEGGFAVL TCVPLGNLII INATIKVNGG IKNVKSVQLQ PGSYVAAGVE PGESAAKVYK DLKKLSRLFK DQLVYPLLAF TRQVLNLPDV FGLVVLPLEL KLRIFRLLDV HSVLALSAVC HDLLIASNDP LLWRCLYLRD FRDGTVRGPD TDWKELYRKK HIQRKEAQRM RHAMFLPSAH PIPFCPIPVY PRAYLPTSLL PPGIIGGEYD ERPILPSVGD PVTSLIPRPG ELPGQFRPLR PRFDPVDPLP GPHSLLPGRA IPNNRFPFRP GRGRSADSRL PFL **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** |

## Product Details

**request, please contact us.**

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| Characteristics: | Key Benefits: |
| | • Made to order protein - from design to production - by highly experienced protein experts. |
| | • Protein expressed in mammalien 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, Western Blot |
| Grade: | custom-made |

## Target Details

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| Target: | FBXO7 |
| Alternative Name: | Fbxo7 (FBXO7 Products) |
| Background: | F-box only protein 7,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 and plays a role in several biological processes such as cell cycle, cell proliferation, or maintenance of chromosome stability. Recognizes and ubiquitinates BIRC2 and the cell cycle regulator DLGAP5. Plays a role downstream of PINK1 in the clearance of damaged mitochondria via selective autophagy (mitophagy) by targeting PRKN to dysfunctional depolarized mitochondria. Promotes MFN1 ubiquitination. Mediates the ubiquitination and proteasomal degradation of UXT isoform 2, thereby impairing the NF-kappa-B signaling pathway. Inhibits NF-kappa-B pathway also by promoting the ubiquitinatioin of TRAF2 (By similarity). Affects the assembly state and activity of the proteasome in the cells including neurons by ubiquitinating the proteasomal subunit PSMA2 via 'Lys-63'-linked polyubiquitin chains (PubMed:27497298). Promotes 'Lys-48'-linked polyubiquitination SIRT7, |

## Target Details

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|  | leading to the hydrogen peroxide-induced cell death (By similarity). {ECO:0000250\|UniProtKB:Q9Y3I1}. |
| Molecular Weight: | 57.6 kDa |
| UniProt: | Q3U7U3 |

## Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

## Handling

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| 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 |