Datasheet for ABIN7548866

# KBTBD5 Protein (AA 1-621) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | KBTBD5 |
| Protein Characteristics: | AA 1-621 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This KBTBD5 protein is labelled with His tag. |

## Product Details

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| Purpose: | Custom-made recombinant KLHL40 Protein expressed in mammalian cells. |
| Sequence: | MALGLEQAEE QRLYQQTLLQ DGLKDMLDHG KFLDCVVRAG EREFPCHRLV LAACSPYFRA RFLAEPERAG ELHLEEVSPD VVAQVLHYLY TSEIALDEAS VQDLFAAAHR FQIPSIFTIC VSFLQKRLCL SNCLAVFRLG LLLDCARLAV AARDFICAHF TLVARDADFL GLSADELIAI ISSDGLNVEK EEAVFEAVMR WAGSGDAEAQ AERQRALPTV FESVRCRLLP RAFLESRVER HPLVRAQPEL LRKVQMVKDA HEGRITTLRK KKKGKDGAGA KEADKGTSKA KAEEDEEAER ILPGILNDTL RFGMFLQDLI FMISEEGAVA YDPAANECYC ASLSNQVPKN HVSLVTKENQ VFVAGGLFYN EDNKEDPMSA YFLQFDHLDS EWLGMPPLPS PRCLFGLGEA LNSIYVVGGR EIKDGERCLD SVMCYDRLSF KWGESDPLPY VVYGHTVLSH MDLVYVIGGK GSDRKCLNKM CVYDPKKFEW KELAPMQTAR SLFGATVHDG RIIVAAGVTD TGLTSSAEVY SITDNKWAPF EAFPQERSSL SLVSLVGTLY AIGGFATLET ESGELVPTEL NDIWRYNEEE KKWEGVLREI AYAAGATFLP VRLNVLCLTK M **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein** |

## Product Details

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| | **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:<br>• Made to order protein - from design to production - by highly experienced protein experts.<br>• Protein expressed in mammalian cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.<br>• State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>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.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>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

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| Target: | KBTBD5 |
| Alternative Name: | KLHL40 (KBTBD5 Products) |
| Background: | Kelch-like protein 40 (Kelch repeat and BTB domain-containing protein 5) (Sarcosynapsin),FUNCTION: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a key regulator of skeletal muscle development (PubMed:23746549). The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDP1, thereby regulating the activity of the E2F:DP transcription factor complex (By similarity). Promotes stabilization of LMOD3 by acting as a negative regulator of LMOD3 ubiquitination, the molecular process by which it negatively regulates ubiquitination of LMOD3 is however unclear (By similarity). {ECO:0000250\|UniProtKB:Q9D783, ECO:0000269\|PubMed:23746549}. |

## Target Details

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| Molecular Weight: | 69.3 kDa |
| UniProt: | Q2TBA0 |

## Application Details

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| 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

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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 |

 