

Datasheet for ABIN7548683

## KBTBD2 Protein (AA 1-623) (His tag)



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### Overview

Quantity:	1 mg
Target:	KBTBD2
Protein Characteristics:	AA 1-623
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KBTBD2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant KBTBD2 Protein expressed in mammalian cells.
Sequence:	<p>MSTQDERQIN TEYAVSLLEQ LKLFYEQLF TDIVLIVEGT EFPCHKMVLA TCSSYFRAMF</p> <p>MSGLSESKQT HVHLRNVDAA TLQIIITYAY TGNLAMNDST VEQLYETACF LQVEDVLQRC</p> <p>REYLIKKINA ENCVRLSFA DLFSCCEELKQ SAKRMVEHKF TAVYHQDAFM QLSHDLLIDI</p> <p>LSSDNLNVEK EETVREAAML WLEYNTESRS QYLSSVLSQI RIDALSEVTQ RAWFQGLPPN</p> <p>DKSVVVQGLY KSMPKFFKPR LGMTKEEMMI FIEASSENPC SLYSSVCYSP QAEKVYKLCS</p> <p>PPADLHKVGT WTPDNDIYI AGGQVPLKNT KTNHSKTSKL QTAFRTVNCF YWFDAQQNTW</p> <p>FPKTPMLFVR IKPSLVCCEG YIYAIGGDSV GGELNRRRTVE RYDTEKDEWT MVSPLPCAWQ</p> <p>WSAAVVVHDC IYVMTLNLMY CYFPRSDSWV EMAMRQTSRS FASAAAFGDK IFYIGGLHIA</p> <p>TNSGIRLPSG TVDGSSVTVE IYDVNKNEWK MAANIPAKRY SDPCVRAVVI SNSLCVFMRE</p> <p>THLNERAKYV TYQYDLELDR WSLRQHISER VLWDLGRDFR CTVGKLYPSC LEESPWKPPT</p> <p>YLFSTDGTEE FELDGEMVAL PPV <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</b></p>

**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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	KBTBD2
Alternative Name:	KBTBD2 ( <a href="#">KBTBD2 Products</a> )
Background:	Kelch repeat and BTB domain-containing protein 2 (BTB and kelch domain-containing protein 1),FUNCTION: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of the insulin signaling pathway, modulating insulin sensitivity by limiting PIK3R1/p85alpha abundance in adipocytes. Targets PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase (PI3K), for 'Lys-48'-linked polyubiquitination and proteasome-mediated degradation. {ECO:0000269 PubMed:27708159}.
Molecular Weight:	71.3 kDa
UniProt:	<a href="#">Q8IY47</a>

## 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.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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