

Datasheet for ABIN7562604
KLC2 Protein (AA 1-599) (His tag)



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Overview

Quantity:	1 mg
Target:	KLC2
Protein Characteristics:	AA 1-599
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLC2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Klc2 Protein expressed in mammalien cells.
Sequence:	<p>MATMVLPRREE KLSQDEIVLG TKAVIQGLET LRGEHRALLA PLASHEAGEA EPGSQERCLL LRRSLEAIEL GLGEAQVILA LSSHLGAVES EKQKLRAQVR RLVQENQWLR EELAGTQQKL QRSEQAVAQL EEEKQHLLFM SQIRKLDEML PQEEKGDVPK DSLDDLFPNE DEQSPAPSPG GGDVAAQHGG YEIPARLRTL HNLVIQYASQ GRYEAVAVPLC KQALEDLEKT SGHDHPDVAT MLNILALVYR DQNKYKDAAH LLNDALAIRE KTLGKDHPAV AATLNNLAVL YGKRGKYKEA EPLCKRALEI REKVLGKFHP DVAKQLSNLA LLCQNQGKAE EVEYYYRRAL EIYATRLGPD DPNVAKTKNN LASCYLKQGK YQDAETLYKE ILTRAHEKEF GSVNGENKPI WMHAEEREES KDKRRDRRPM EYGSWYKACK VDSPTVNTTL RTLGALYRPE GKLEAAHTLE DCASRSRKQG LDPASQTKVV ELLKDGSGRG HRRGSRDVAG PQSESDLEES GPAAEWSGDG SGSLRRSGSF GKLRLDALRRS SEMLVRLKQG GGPQEPNSRM KRASSLNFLN KSVEEPVQPG GRVFLTAAL</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the</p>

Product Details

expression system, a different complexity of the protein could make another tag necessary.
In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <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, Western Blot
Grade:	custom-made

Target Details

Target:	KLC2
Alternative Name:	Klc2 (KLC2 Products)
Background:	Kinesin light chain 2 (KLC 2),FUNCTION: Kinesin is a microtubule-associated force-producing protein that plays a role in organelle transport. The light chain functions in coupling of cargo to the heavy chain or in the modulation of its ATPase activity. Through binding with PLEKHM2 and ARL8B, recruits kinesin-1 to lysosomes and hence direct lysosomes movement toward microtubule plus ends. {ECO:0000250 UniProtKB:Q9H0B6}.
Molecular Weight:	66.7 kDa
UniProt:	O88448

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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

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