

Datasheet for ABIN7562603
KLC1 Protein (AA 1-541) (His tag)



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Overview

Quantity:	1 mg
Target:	KLC1
Protein Characteristics:	AA 1-541
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Klc1 Protein expressed in mammalian cells.
Sequence:	<p>MYDNMSTMVY IKEEKLENTV QDEIISKTKQ VIQGLEALKN EHNSILQSL ETLKCLKKDD</p> <p>ESNLVEEKSS MIRKSLEMLE LGLSEAQVMM ALSNHLNAVE SEKQNVRAQV RRLCQENQWL</p> <p>RDELANTQQK LQKSEQSVAQ LEEKKHLEF MNQLKKYDDD IPSSEDKDSD SSKEPLDDL F</p> <p>PNDEDEPGQG IQHSDSSAAA ARQGYEIPAR LRTLHNLVIQ YASQGRYEVA VPSCQQALED</p> <p>LEKTSGHDHP DVATMLNILA LVYRDQNKYK DAANLLNDAL AIREKTLGRD HPAVAATLNN</p> <p>LAVLYGKRKG YKEAEPLCKR ALEIREKVLG KDHPDVAQQL NNLALLCQNQ GKYEEVEYYY</p> <p>QRALGIYQTK LGPDRTNVA KTKNNLASCY LKQGKFKQAE TLYKEILTRA HEAEFGSVDD</p> <p>ENKPIWMHAE EREECKGKQK DGSAFGEYGG WYKACKVDSP TVTTTLKNLG ALYRRQGKFE</p> <p>AAETLEEAAM RSRKQGLDNV HKQRVAEVLN DPESMEKRRS RESLNMDVVK YESGPDGGEE A</p> <p>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.</p>

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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	KLC1
Alternative Name:	Klc1 (KLC1 Products)
Background:	<p>Kinesin light chain 1 (KLC 1),FUNCTION: Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. The light chain may function in coupling of cargo to the heavy chain or in the modulation of its ATPase activity.</p> <p>{ECO:0000250 UniProtKB:P37285}.</p>
Molecular Weight:	61.5 kDa
UniProt:	O88447
Pathways:	Ribonucleoprotein Complex Subunit Organization

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