

Datasheet for ABIN7563752

Dynein Regulatory Complex Subunit 1 (DRC1) (AA 1-753) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Dynein Regulatory Complex Subunit 1 (DRC1)
Protein Characteristics:	AA 1-753
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Drc1 Protein expressed in mammalian cells.
Sequence:	<p>MNPSGTIGVL EQNGEEHLAT PILGPSVHSD NPQERIQARR LRIAARQEAR RREALGEYLD</p> <p>GKKESEEEQS KSYKQKEESR LKLTLLLLCG TELVTNIQVA ADVREIHRV EEEETKRQRL</p> <p>EKLENEVKTS QDKFDEITAK WEEGRRKRIP QELWEMPLNSQ QVHCAELIED KNKLANELQQ</p> <p>ELKIKDDQYV KDLKKQSEDI TLILERMEEQ VKNVMKNFRQ ELIHIEKAFF SERQELLSSN</p> <p>KKKWERALQA HNAKELEYLT NRMKKVEDYE KQLNKQRVWD CEEYNTIKIK LEQDVQILEQ</p> <p>QLQQMKATYQ LNQEKLQYNF QVLKKRDEES TVIKSQQKRK LNRLHDVVNN LRTKYTKQIR</p> <p>QFQDDNQSLT SDYKRLVTQF KDLQKALRHF IIIDEKFRE IWLMMNEAEAK ELAQRAFDVD</p> <p>RIHSQHLGL PWNMPDLWFL NNVGPISLQQ QKSVTQILEE LLLQTEDEAT EAAMSEDEDY</p> <p>MDLPNQISAK TTTKVLMLLC DESGFLIESK LLSLLHPLEK SECYLLRLDA IFSALAIIDE</p> <p>DDLYKLVNFF LRYRAHRLSS AQASSSIHSN VERTSLMSAL ERLSLMSQTD KGSMVSKSDQ</p> <p>EPTEQEDEQE GDNASLSSRE LEEQEDLSSP RFIHPNDVLK ILEAFVTGLK KPKDAQPVLK</p>

Product Details

LKKETRDNSK DTEYWESLAA VIPFFKQNLW DALYKALEKY YLVLTERAKL LMENESLEQQ
NAEMQSLLQQ YLQAKVNTEL QIPPTQGFRM PSK **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 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:	Dynein Regulatory Complex Subunit 1 (DRC1)
Alternative Name:	Drc1 (DRC1 Products)
Background:	<p>Dynein regulatory complex protein 1 (Coiled-coil domain-containing protein 164),FUNCTION: Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Plays a critical role in the assembly of N-DRC and also stabilizes the assembly of multiple inner dynein arms and radial spokes (PubMed:34169321). Coassembles with CCDC65/DRC2 to form a central scaffold needed for assembly of the N-DRC and its attachment to the outer doublet microtubules. {ECO:0000250 UniProtKB:P0DL09, ECO:0000250 UniProtKB:Q96MC2, ECO:0000269 PubMed:34169321}.</p>

Target Details

Molecular Weight: 88.5 kDa

UniProt: [Q3USS3](#)

Application Details

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

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