Datasheet for ABIN7553614

DYNC1LI1 Protein (AA 1-523) (His tag)

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Overview

Quantity:	1 mg
Target:	DYNC1LI1
Protein Characteristics:	AA 1-523
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DYNC1LI1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat DYNC1LI1 Protein expressed in mammalien cells.
Sequence:	MAAVGRVGSF GSSPPGLSST YTGGPLGNEI ASGNGGAAAG DDEDGQNLWS CILSEVSTRS RSKLPAGKNV LLLGEDGAGK TSLIRKIQGI EEYKKGRGLE YLYLNVHDED RDDQTRCNVW ILDGDLYHKG LLKFSLDAVS LKDTLVMLVV DMSKPWTALD SLQKWASVVR EHVDKLKIPP EEMKQMEQKL IRDFQEYVEP GEDFPASPQR RNTASQEDKD DSVVLPLGAD TLTHNLGIPV LVVCTKCDAI SVLEKEHDYR DEHFDFIQSH IRKFCLQYGA ALIYTSVKEN KNIDLVYKYI VQKLYGFPYK IPAVVVEKDA VFIPAGWDND KKIGILHENF QTLKAEDNFE DIITKPPVRK FVHEKEIMAE DDQVFLMKLQ SLLAKQPPTA AGRPVDASPR VPGGSPRTPN RSVSSNVASV SPIPAGSKKI DPNMKAGATS EGVLANFFNS LLSKKTGSPG GPGVSGGSPA GGAGGGSSGL PPSTKKSGQK PVLDVHAELD RITRKPVTVS PTTPTSPTEG EAS **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**

Product Details

	request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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, Western Blot
Grade:	custom-made

Target Details

Target:	DYNC1LI1
Alternative Name:	DYNC1LI1 (DYNC1LI1 Products)
Background:	Cytoplasmic dynein 1 light intermediate chain 1 (LIC1) (Dynein light chain A) (DLC-A) (Dynein light intermediate chain 1, cytosolic) (DLIC-1),FUNCTION: Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in binding dynein to membranous organelles or chromosomes. Probably involved in the microtubule-dependent transport of pericentrin. Is required for progress through the spindle assembly checkpoint. The phosphorylated form appears to be involved in the selective removal of MAD1L1 and MAD1L2 but not BUB1B from kinetochores. Forms a functional Rab11/RAB11FIP3/dynein complex onto endosomal membrane that regulates the movement of peripheral sorting endosomes (SE) along microtubule tracks toward the microtubule organizing center/centrosome, generating the

Target Details

	endosomal recycling compartment (ERC) (PubMed:20026645). {ECO:0000269|PubMed:19229290, ECO:0000269|PubMed:20026645}.
Molecular Weight:	56.6 kDa
UniProt:	Q9Y6G9

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