

Recombinant Human DYNC1I1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DYNC1I1-3293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DYNC1I1 MS Standard C13 and N15-labeled recombinant protein (NP_004402) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCNT1. May play a role in mediating the interaction of cytoplasmic dynein with membranous organelles and kinetochores.
Molecular Mass	72.8 kDa
AA Sequence	MSDKSDLKAELEKQRLAQIREKKRKEEERKKKEADMQQKKEPVQDDSDLDRK RRETEALLQSIGISPEPPLVQPLHFLTWDTCYFHVLVPTPMSPSSKSVSTPSEAGSQ DSGDLGPLTRTLQWDTDPSVLQLQSDSELGRRLHKLGVSKVTQVDFLPREVVSYK ETQTPLATHQSEDEEDEEMVESKVGQDSELENQDKKQEVKEAPPRELTEEEKQQI LHSEEFLLIFFDRTIRVIERALAEDSDIFFDYSGRELEEKDGDVQAGANLSFNRFYDE HWSKHRVVT CMDWSLQYPELMVASYN NNEDAPHEPDGVALVWNMKFKTTPEYV

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FHCQSSVMSVCFARFHPNLVVGTYSGQIVLWDNRSHR RTPVQRTPLSAAAHTHP
 VYCVNVVGTQNAHNLITVSTDGKMCSWSLDMLSTPQESMELVYNKSKPVAVTGMA
 FPTGDVNNFVVGSEEGTVYTACRHGSKAGIGEVFEGHQGPVTGINCHMAVGPIDFS
 HLFVTSSFDWTVKLWTTKHNKPLYSFEDNADYVYDVMWSPVHPALFACVDGMGRL
 DLWNLNNDTEVPTASVAIEGASALNRVRWAQAGKEVAVGDSEGRWVYDVGELAV
 PHNDEWTRFARTLVEIRANRADSEEEGTVELSATRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **DYNC1I1** dynein cytoplasmic 1 intermediate chain 1 [Homo sapiens (human)]

Official Symbol **DYNC1I1**

Synonyms DYNC1I1; dynein, cytoplasmic 1, intermediate chain 1; DNCI1, dynein, cytoplasmic, intermediate polypeptide 1; cytoplasmic dynein 1 intermediate chain 1; DNCIC1; DH IC-1; dynein intermediate chain 1, cytosolic; cytoplasmic dynein intermediate chain 1; dynein, cytoplasmic, intermediate polypeptide 1; DNCI1;

Gene ID **1780**

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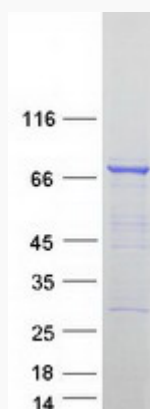
mRNA Refseq [NM_004411](#)

Protein Refseq [NP_004402](#)

MIM [603772](#)

UniProt ID [O14576](#)

SDS-PAGE



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