

## Recombinant Human DYNC1H1 protein, His & T7-tagged

Cat. No. DYNC1H1-1637H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DYNC1H1 aa. (Ala20–Leu285 (Accession # Q14204)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala20–Leu285
<b>Description</b>	Dyneins are a group of microtubule-activated ATPases that function as molecular motors. They are divided into two subgroups of axonemal and cytoplasmic dyneins. The cytoplasmic dyneins function in intracellular motility, including retrograde axonal transport, protein sorting, organelle movement, and spindle dynamics. Molecules of conventional cytoplasmic dynein are comprised of 2 heavy chain polypeptides and a number of intermediate and light chains. This gene encodes a member of the cytoplasmic dynein heavy chain family.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 33.6kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	5.1

## GENE INFORMATION

<b>Gene Name</b>	DYNC1H1 dynein cytoplasmic 1 heavy chain 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	DYNC1H1
<b>Synonyms</b>	DYNC1H1; dynein cytoplasmic 1 heavy chain 1; p22; DHC1; DNCL; DYHC; HL-3; CMT2O; DHC1a; DNCH1; DNECL; Dnchc1; SMALED1; cytoplasmic dynein 1 heavy chain 1; dynein heavy chain, cytosolic; dynein, cytoplasmic, heavy polypeptide 1
<b>Gene ID</b>	1778
<b>mRNA Refseq</b>	NM_001376.4
<b>Protein Refseq</b>	NP_001367.2

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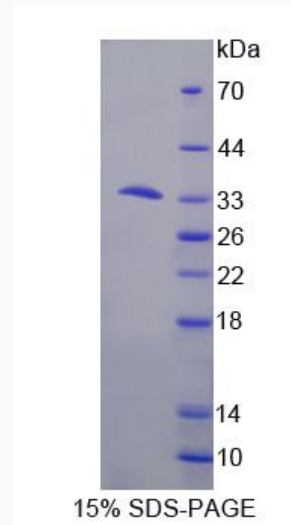
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UniProt ID

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SDS-PAGE



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