

Recombinant Human DYNC2LI1 Protein, GST-tagged

Cat. No. DYNC2LI1-2971H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DYNC2LI1 full-length ORF (NP_056337.1, 1 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a protein that is a component of the dynein-2 microtubule motor protein complex that plays a role in the retrograde transport of cargo in primary cilia via the intraflagellar transport system. This gene is ubiquitously expressed and its protein, which localizes to the axoneme and Golgi apparatus, interacts directly with the cytoplasmic dynein 2 heavy chain 1 protein to form part of the multi-protein dynein-2 complex. Mutations in this gene produce defects in the dynein-2 complex which result in several types of ciliopathy including short-rib thoracic dysplasia 15 with polydactyly (SRTD15). Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2017]
Molecular Mass	48.8 kDa
AA Sequence	MPSETLWEIAKAEVEKRGINGSEGDGAEIAEKFVFFIGSKNGGKTTIILRCLDRDEPP KPTLALEYTYGRRAKGHNTPKDIAHFWEELGGGTSLLDLISIPITGDTLRTFSLVLVLDL SKPNDLWPTMENLLQATKSHVDKVIMKLGKTNAAVSEMRQKIWNNMPKDHPVSC CLGLLLESLVPFIVNDNITNNFFRFLCMT
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DYNC2LI1 dynein cytoplasmic 2 light intermediate chain 1 [Homo sapiens (human)]
Official Symbol	DYNC2LI1
Synonyms	DYNC2LI1; dynein cytoplasmic 2 light intermediate chain 1; Dynein Cytoplasmic 2 Light Intermediate Chain 1; D2LIC; LIC3; Cytoplasmic Dynein 2 Light Intermediate Chain 1; Dynein 2 Light Intermediate Chain; CGI-60; cytoplasmic dynein 2 light intermediate chain 1
Gene ID	51626
mRNA Refseq	NM_001193464
Protein Refseq	NP_001180393
MIM	617083
UniProt ID	Q8TCX1

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