

Recombinant Human DYNC1I2, GST-tagged

Cat. No. DYNC1I2-12227H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DYNC1I2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-309a.a.
Description	This gene encodes a member of the dynein intermediate chain family. The encoded protein is a non-catalytic component of the cytoplasmic dynein 1 complex, which acts as a retrograde microtubule motor to transport organelles and vesicles. A pseudogene of this gene is located on chromosome 10. Alternative splicing results in multiple transcript variants.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DYNC1I2 dynein, cytoplasmic 1, intermediate chain 2 [Homo sapiens]
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Official Symbol	DYNC1I2
Synonyms	DYNC1I2; dynein, cytoplasmic 1, intermediate chain 2; DNCI2, dynein, cytoplasmic, intermediate polypeptide 2; cytoplasmic dynein 1 intermediate chain 2; DH IC-2; dynein intermediate chain 2, cytosolic; cytoplasmic dynein intermediate chain 2; dynein, cytoplasmic, intermediate polypeptide 2; IC2; DNCI2; MGC9324; FLJ21089; FLJ90842; MGC104199; MGC111094;
Gene ID	1781
mRNA Refseq	NM_001378
Protein Refseq	NP_001369
MIM	603331
UniProt ID	Q13409
Chromosome Location	2q31.1
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem;
Function	microtubule motor activity;