

Recombinant Human CASC3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CASC3-3847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CASC3 MS Standard C13 and N15-labeled recombinant protein (NP_031385) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The product of this gene is a core component of the exon junction complex (EJC), a protein complex that is deposited on spliced mRNAs at exon-exon junctions and functions in nonsense-mediated mRNA decay (NMD). The encoded protein binds RNA and interacts with two other EJC core components. It is predominantly located in the cytoplasm, but shuttles into the nucleus where it localizes to nuclear speckles.
Molecular Mass	76.3 kDa
AA Sequence	MADRRRQRASQDTEDEESGASGSDSGGSPLRGGGSCSGSAGGGGSGSLPSQRG GRTGALHLRRVESGGAKSAEESECESEDGIEGDAVLSDYESAEDSEGEEGEYSEEE NSKVELKSEANDAVNSSTKEEKGEEKPDTKSTVTGERQSGDGQESTEPVENKVGK KGPKHLDDDEDKRNPAYIPRKGLFFEHDLRGQTQEEEVPRPKGRQRKLWKDEGRWE HDKFREDEQAPKSRQELIALYGYDIRSAHNPDDIKPRRIRKPRYGSPQRPDPNWN ERLNKSHRHQGLGGTLPPRTFINRNAAGTGRMSAPRNYSRSGGFKEGRAGFRPVE AGGQHGGRSGETVKHEISYRSRRLEQTSVRDPSPEADAPVLGSPEKEEAASEPPAA APDAAPPPPDRPIEKKSYSRARRTRTKVGDAVKLAEEVPPPPEGLIPAPPVPETTPT

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PPTKTGTWEAPVDSSTSGLEQDVAQLNIAEQNWSPGQPSFLQPRELRGMPNHIHM
 GAGPPPQFNRMEEMGVQGGRAKRYSSQRQRPVPEPPAPPVHISIMEGHYYDPLQF
 QGPIYTHGDSAPLPPQGMLVQPGMNLPHGLPHQTPAPLPNPGLYPPPVSMSF
 GQPPPQQLLAPTYFSAPGVMNFGNPSYPYAPGALPPPPPPHLYPNTQAPSQVYGG
 VTYYNPAQQQVQPKPSPPRRTPQPVTIKPPPPEVVSRRSSTRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

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 [CASC3 cancer susceptibility candidate 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [CASC3](#)

Synonyms CASC3; cancer susceptibility candidate 3; protein CASC3; BTZ; MLN51; MLN 51; barentsz; protein barentsz; metastatic lymph node 51; metastatic lymph node gene 51 protein; cancer susceptibility candidate gene 3 protein;

Gene ID [22794](#)

mRNA Refseq [NM_007359](#)

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Protein Refseq NP_031385

MIM 606504

UniProt ID O15234

SDS-PAGE



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