

Recombinant Full Length Human CASC3 Protein, C-Flag-tagged

Cat. No. CASC3-1462HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CASC3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	76.1 kDa
AA Sequence	MADRRRQRASQDTEDEESGASGSDSGGSPLRGGGSCSGSAGGGGSGSLPSQRG GRTGALHLRRVESGGAK SAESECESEDGIEGDAVLSDYESAEDSEGEEGEYSEE ENSKVELKSEANDAVNSSTKEEKGEKPDTKS TVTGERQSGDGQESTEPVENKVG KKGPKHLDDDEDKKNPAYIPRKGLFFEHLRGQTQEEEVPRPKGRQRK LWKDEGR WEHDKFREDEQAPKSRQELIALYGYDIRSAHNPDIDKPRRIRKPRYGSPQRPDPNW NGERLNK SHRHQGLGGTLPPTFINRNAAGTGRMSAPRNYSRSGGFKEGRAGFR PVEAGGQHGGRSGETVKHEISYR SRRLEQTSVRDPSPEADAPVLGSPEKEEAASE

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PPAAAPDAAPPPPDRPIEKKSYSRARRTRTKVGDAVKL AEEVPPPPEGLIPAPPVPE
 TTPTPPTKTGTWEAPVDSSTSGLEQDVAQLNIAEQNWSPGQPSFLQPRELR GMPN
 HIHMGAGPPPQFNRMEEMGVQGGRAKRYSSQRQRPVPEPPAPPVHISIMEGHYYD
 PLQFQGPIYTH GDSPAPLPPQGMLVQPGMNLPHPGHLPHQTPAPLPNPGLYPPP
 VSMSPGQPPPQQLLAPTYFSAPGVMNF GNPSYPYAPGALPPPPPPHLYPNTQAPSQ
 VYGGVTYYNPAQQQVQPKPSPPRRTQPVTIKPPPPPEVVS
 GSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

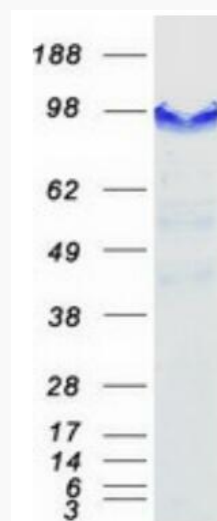
Gene Name	CASC3 CASC3 exon junction complex subunit [Homo sapiens (human)]
Official Symbol	CASC3
Synonyms	BTZ; MLN51
Gene ID	22794

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mRNA Refseq	NM_007359.5
Protein Refseq	NP_031385.2
MIM	606504
UniProt ID	O15234



Coomassie blue staining of purified CASC3 protein.