

## Product datasheet for PH308495

### CASC3 (NM\_007359) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | CASC3 MS Standard C13 and N15-labeled recombinant protein (NP_031385) |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC208495  |
| Predicted MW:                         | 76.3 kDa  |
| Protein Sequence:                     | >RC208495 protein sequence<br>Red=Cloning site Green=Tags(s)          |

MADRRRQRASQDTEDEESGASGSDSGGSPLRGGGSCSGSAGGGGSGSLPSQRGGRTGALHLRRVESGGAK  
SAEESCESESDGIEGDAVLSDYESAEDSEGEYSEEENSKVELKSEANDAVNSSTKEEKGEEKPDTKS  
TYTGERQSGDGGQESTEPVENKVGKKGPKHLDDDEDKKNPAYIPRKGLFFEHLRGQTQEEEVVRPKGRQRK  
LWKDEGRWEHDKFREDEQAPKSRQELIALYGYDIRSAHNPDDIKPRRIRKPRYGSPQRDPNWNGERLNK  
SHRHQGLGGTLPRTFINRNAAGTGRMSAPRNYSRGGFKEGRAGFRPVEAGGQHGGRSGETVKHEISYR  
SRRLEQTSVRDPSPEADAPVLGSPEKEEAASEPPAAAPDAAPPPDRPIEKKSYSRARRTRTKVGDVAVKL  
AEEVPPPPEGLIPAPPVPETTPPTKTGTWEAPVDSSTSGLEQDVAQLNIAEQNWSPGQPSFLQPRELR  
GMPNHIHMAGPPPQFNRMEEEMGVQGGRAKRYSSQRQRPVPEPPAPPVHISIMEGHYYDPLQFGPIYTH  
GDSPAPLPPQGMLVQPGMNLPHPLGHPHQTPAPLPNPGLYPPVSMSPGQPPPQQLLAPTYFSAPGVMNF  
GNPSYPYAPGALPPPPPHLYPNTQAPSQVYGGVTTYNPAQQQVQPKPSPRRTPQPVTIKPPPEVVS  
GSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                  |  |
|------------------|--|
| Tag:             | C-Myc/DDK  |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| Concentration:   | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method: | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine                       |
| Buffer:          | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:         | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:       | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq:          | <a href="#">NP_031385</a>  |

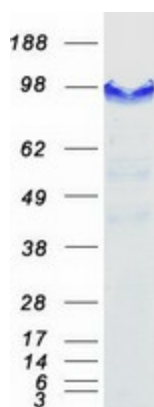


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|               |                        |
|---------------|------------------------|
| RefSeq Size:  | 4198                   |
| RefSeq ORF:   | 2109                   |
| Synonyms:     | BTZ; MLN51             |
| Locus ID:     | 22794                  |
| UniProt ID:   | <a href="#">O15234</a> |
| Cytogenetics: | 17q21.1                |

**Summary:** 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. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified CASC3 protein (Cat# [TP308495]). The protein was produced from HEK293T cells transfected with CASC3 cDNA clone (Cat# [RC208495]) using MegaTran 2.0 (Cat# [TT210002]).