

## Product datasheet for PH305615

### BCAS2 (NM\_005872) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BCAS2 MS Standard C13 and N15-labeled recombinant protein (NP_005863)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205615
Predicted MW:	26.1 kDa
Protein Sequence:	>RC205615 protein sequence Red=Cloning site Green=Tags(s)  MAGTGLVAGEVVDALPYFDQGYEAPGVREAAAALVEEETRRYRPTKNYLSYLTAPDYSAFETDIRNEF ERLAARQPIELLSMKRYELPAPSSGQKNDITAWQECVNNNSMAQLEHQAVRIENLELMSQHGCNAWKVYNE NLVHMIIEHAQKELQKLRKHIQDLNWQRKNMQLTAGSKLREMESNWVSLVSKNYEIERITIVQLENEIYQIK QQHGAEANKENIRQDF  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_005863</a>
RefSeq Size:	1310
RefSeq ORF:	675
Synonyms:	DAM1; Snt309; SPF27
Locus ID:	10286
UniProt ID:	<a href="#">O75934</a> , <a href="#">B2R7W3</a>



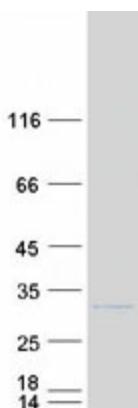
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Cytogenetics: 1p13.2

**Summary:** Required for pre-mRNA splicing as component of the activated spliceosome (PubMed:28502770, PubMed:28076346, PubMed:29360106, PubMed:29301961, PubMed:30705154). Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR). [UniProtKB/Swiss-Prot Function]

**Protein Pathways:** Spliceosome

### Product images:



Coomassie blue staining of purified BCAS2 protein (Cat# [TP305615]). The protein was produced from HEK293T cells transfected with BCAS2 cDNA clone (Cat# [RC205615]) using MegaTran 2.0 (Cat# [TT210002]).