

## Product datasheet for PH324971

### CLN3 (NM\_001042432) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CLN3 MS Standard C13 and N15-labeled recombinant protein (NP_001035897)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224971
Predicted MW:	47.6 kDa
Protein Sequence:	>RC224971 protein sequence Red=Cloning site Green=Tags(s)

MGGCAGSRRRFSDEGEETVPEPRLLPLLDHQGAHWKNAVGFWLLGLCNNFSYVVMLSAHDILSHKRTSG  
NQSHVDPGPTPIPHNSSRFDCNSVSTAAVLLADILPTLVIKLLAPLGLHLLPYSRVLVSGICAAGSFV  
LVAFSHSVGTSKCGVVFASISSGLGEVTFSLTAFYPRAVISWWSSGTGGAGLLGALSYLGLTQAGLSPQ  
QTLLSMLGIPALLLASYFLLLTSPQAQDPGEEEAESAARQPLIRTEAPESKPGSSSSLRERWTVFKG  
LLWYIVPLVVVYFAEYFVINOGLFELLFFWNTLSHAQQYRWYQMLYQAGVFASRSSLRCCRIRFTWALAL  
LQCLNLVFLADVWFGFLPSIYLVFLIILYEGLLGGAAYVNTFHNIALETSDHEREFAMAATCISDTLGI  
SLSGLLALPLHDFLCQLS

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- <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:	<u><a href="#">NP_001035897</a></u>
RefSeq Size:	1915
RefSeq ORF:	1314
Synonyms:	BTN1; BTS; JNCL



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Locus ID: 1201

UniProt ID: [Q13286](#), [A0A024QZB8](#)

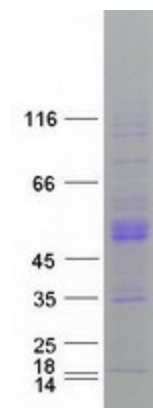
Cytogenetics: 16p12.1

**Summary:** This gene encodes a protein that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis (CLN) genes, cause neurodegenerative diseases commonly known as Batten disease or collectively known as neuronal ceroid lipofuscinoses (NCLs). Many alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Lysosome

### Product images:



Coomassie blue staining of purified CLN3 protein (Cat# [TP324971]). The protein was produced from HEK293T cells transfected with CLN3 cDNA clone (Cat# [RC224971]) using MegaTran 2.0 (Cat# [TT210002]).