

## Product datasheet for PH308653

### CGGBP1 (NM\_003663) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CGGBP1 MS Standard C13 and N15-labeled recombinant protein (NP_003654)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208653
Predicted MW:	18.8 kDa
Protein Sequence:	>RC208653 protein sequence Red=Cloning site Green=Tags(s)  MERFVVTAPPARNRSKTALYVTPLDREVTEFGGELHEDGGKLFCTSCNVVLNHVRKSAISDHLKSKTHTKR KAEFEEQNVKQRPLTASLQCNSTAQTEKVSVIQDFVKMCLEANIPIEKADHPAVRAFLSRHVKNNGSSI PKSDQLRRAYLPDGYENENQLLNSQDC  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:	<a href="#">NP_003654</a>
RefSeq Size:	4506
RefSeq ORF:	501
Synonyms:	CGGBP; p20-CGGBP
Locus ID:	8545
UniProt ID:	<a href="#">Q9UFW8</a>



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Cytogenetics: 3p11.1

**Summary:** This gene encodes a CGG repeat-binding protein that primarily localizes to the nucleus. CGG trinucleotide repeats are implicated in many disorders as they often act as transcription- and translation-regulatory elements, can produce hairpin structures which cause DNA replication errors, and form regions prone to chromosomal breakage. CGG repeats are also targets for CpG methylation. In addition to its ability to bind CGG repeats and regulate transcription, this gene is believed to play a role in DNA damage repair and telomere protection. In vitro studies indicate this protein does not bind to methylated CpG sequences. [provided by RefSeq, Jul 2017]

### Product images:



Coomassie blue staining of purified CGGBP1 protein (Cat# [TP308653]). The protein was produced from HEK293T cells transfected with CGGBP1 cDNA clone (Cat# [RC208653]) using MegaTran 2.0 (Cat# [TT210002]).