

Product datasheet for PH308653

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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:HumanExpression Host:HEK293

Expression cDNA Clone

RC208653

or AA Sequence: Predicted MW:

18.8 kDa

Protein Sequence: >RC208653 protein sequence

Red=Cloning site Green=Tags(s)

MERFVVTAPPARNRSKTALYVTPLDRVTEFGGELHEDGGKLFCTSCNVVLNHVRKSAISDHLKSKTHTKR KAEFEEQNVRKKQRPLTASLQCNSTAQTEKVSVIQDFVKMCLEANIPLEKADHPAVRAFLSRHVKNGGSI

PKSDQLRRAYLPDGYENENQLLNSQDC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: $>0.05 \mu g/\mu L$ 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: NP 003654

RefSeq Size: 4506

RefSeq ORF: 501

Synonyms: CGGBP; p20-CGGBP

Locus ID: 8545

UniProt ID: Q9UFW8





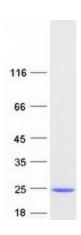
Cytogenetics:

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]).