

Product datasheet for TG510210

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

Chaf1b Mouse shRNA Plasmid (Locus ID 110749)

Product data:

Product Type: shRNA Plasmids

Product Name: Chaf1b Mouse shRNA Plasmid (Locus ID 110749)

Locus ID:

2600017H24Rik; C76145; CAF-I p60; CAF-Ip60; CAF1; CAF1A; CAF1P60; MPHOSPH7 Synonyms:

pGFP-V-RS (TR30007) Vector:

E. coli Selection: Kanamycin Mammalian Cell Puromycin

Selection:

Format:

Retroviral plasmids

Components: Chaf1b - Mouse, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID =

110749). 5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.

BC013532, NM 028083, NM 028083.1 RefSeq:

UniProt ID: Q9D0N7

Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. **Summary:**

Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of

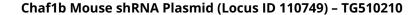
the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to

replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer (By similarity).[UniProtKB/Swiss-Prot Function]

shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To

be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>.

If you need a special design or shRNA sequence, please utilize our custom shRNA service.





Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).