

Product datasheet for TR316492

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436

OriGene Technologies, Inc.

Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

CEBPD Human shRNA Plasmid Kit (Locus ID 1052)

Product data:

Product Type: shRNA Plasmids

Product Name: CEBPD Human shRNA Plasmid Kit (Locus ID 1052)

Locus ID: 1052

Synonyms: C/EBP-delta; CELF; CRP3; NF-IL6-beta

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Puromycin

Selection:

Format: Retroviral plasmids

CEBPD - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

1052). 5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.

RefSeq: NM 005195, NM 005195.1, NM 005195.2, NM 005195.3, BC105109, BC094715, NM 005195.4

UniProt ID: P49716

Summary: The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a

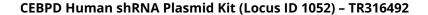
homodimer to certain DNA regulatory regions. It can also form heterodimers with the related protein CEBP-alpha. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses, and may be involved in the regulation of genes

associated with activation and/or differentiation of macrophages. The cytogenetic location of

this locus has been reported as both 8p11 and 8q11. [provided by RefSeq, Sep 2010]

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 <u>custom shRNA service</u>.





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).