

Product datasheet for **SR504954**

Cebpb Rat siRNA Oligo Duplex (Locus ID 24253)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_001301715 , NM_001301720 , NM_024125
UniProt ID:	P21272
Synonyms:	Il6dbp; NF-IL6; TCF5
Components:	Cebpb (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 24253) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This intronless gene encodes a member of the transcription factor family whose members contain a basic leucine-zipper domain. The encoded protein functions as a homodimer but can also form heterodimers with CCAAT/enhancer-binding proteins alpha, delta, and gamma. The encoded protein plays important roles in several cellular processes and in various diseases, including regulating cell proliferation, differentiation, apoptosis and neuroinflammation, and being involved in brain injury and inflammatory progression. The use of alternative in-frame AUG start codons results in multiple protein isoforms, each with different cellular localizations and distinct biological functions. [provided by RefSeq, Sep 2014]



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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).