

## Product datasheet for **SR300891**

### Cannabinoid Receptor I (CNR1) Human siRNA Oligo Duplex (Locus ID 1268)

#### 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:	<a href="#">NM_001160226</a> , <a href="#">NM_001160258</a> , <a href="#">NM_001160259</a> , <a href="#">NM_001160260</a> , <a href="#">NM_001840</a> , <a href="#">NM_016083</a> , <a href="#">NM_033181</a> , <a href="#">NM_001365872</a> , <a href="#">NM_001370545</a> , <a href="#">NM_001365869</a> , <a href="#">NM_001365870</a> , <a href="#">NM_001365874</a> , <a href="#">NM_001370546</a> , <a href="#">NM_001370547</a>
UniProt ID:	<a href="#">P21554</a>
Synonyms:	CANN6; CB-R; CB1; CB1A; CB1K5; CB1R; CNR
Components:	CNR1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 1268) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol and synthetic analogs, are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family, which inhibit adenylate cyclase activity in a dose-dependent, stereoselective and pertussis toxin-sensitive manner. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. Multiple transcript variants encoding two different protein isoforms have been described for this gene. [provided by RefSeq, May 2009]



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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](mailto: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).