

## Product datasheet for **TR313911**

### CHRNE Human shRNA Plasmid Kit (Locus ID 1145)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	CHRNE Human shRNA Plasmid Kit (Locus ID 1145)
Locus ID:	1145
Synonyms:	ACHRE; CMS1D; CMS1E; CMS2A; CMS4A; CMS4B; CMS4C; FCCMS; SCCMS
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	CHRNE - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 1145). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_000080</a> , <a href="#">NM_000080.1</a> , <a href="#">NM_000080.2</a> , <a href="#">NM_000080.3</a> , <a href="#">BC156077</a> , <a href="#">BC157043</a> , <a href="#">NM_000080.4</a>
UniProt ID:	<a href="#">Q04844</a>
Summary:	Acetylcholine receptors at mature mammalian neuromuscular junctions are pentameric protein complexes composed of four subunits in the ratio of two alpha subunits to one beta, one epsilon, and one delta subunit. The acetylcholine receptor changes subunit composition shortly after birth when the epsilon subunit replaces the gamma subunit seen in embryonic receptors. Mutations in the epsilon subunit are associated with congenital myasthenic syndrome. [provided by RefSeq, Sep 2009]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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**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](mailto: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).