

Product datasheet for TR310538

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

PDE8B Human shRNA Plasmid Kit (Locus ID 8622)

Product data:

Product Type: shRNA Plasmids

Product Name: PDE8B Human shRNA Plasmid Kit (Locus ID 8622)

Locus ID: 8622

ADSD; PPNAD3 Synonyms:

Vector: pRS (TR20003)

E. coli Selection: **Ampicillin** Mammalian Cell

Selection:

Puromycin

Format: Retroviral plasmids

PDE8B - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = Components:

8622). 5µg purified plasmid DNA per construct

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

NM 001029851, NM 001029852, NM 001029853, NM 001029854, NM 003719, RefSeq:

NM 001349748, NM 001349749, NM 001349750, NM 001349751, NM 001349752,

NM 001349753, NM 001029851.1, NM 001029851.2, NM 001029852.1, NM 001029852.2,

NM 001029854.2, NM 003719.1, NM 003719.2, NM 003719.3, NM 001029853.1,

NM 001029853.2, BC035144, BC043209, BC047627, BC156215, BC156987, NM 001029851.4,

NM 001029852.4, NM 001029853.4, NM 001029854.4, NM 003719.5

UniProt ID: 095263

The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that **Summary:**

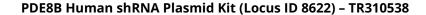
> catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding

different isoforms have been found for this gene. [provided by RefSeq, Jul 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 techsupport@origene.com. 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).