

Product datasheet for TL314955

OriGene Technologies, Inc.

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ADAM2 Human shRNA Plasmid Kit (Locus ID 2515)

Product data:

Product Type: shRNA Plasmids

Product Name: ADAM2 Human shRNA Plasmid Kit (Locus ID 2515)

Locus ID: 2515

Synonyms: CRYN1; CRYN2; CT15; FTNB; PH-30b; PH30; PH30-beta

Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: ADAM2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 2515).

5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.

RefSeq: NM 001278113, NM 001278114, NM 001464, NM 001464.1, NM 001464.2, NM 001464.3,

NM 001464.4, NM 001278114.1, NM 001278113.1, BC034957, BC064547, NM 001464.5,

NM 001278114.2, NM 001278113.2

UniProt ID: Q99965

Summary: This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain)

family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving

cell-cell and cell-matrix interactions, including fertilization, muscle development, and

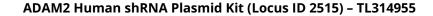
neurogenesis. The encoded protein is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May

20131

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 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).