

Product datasheet for TL313323

OriGene Technologies, Inc.

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DYX1C1 Human shRNA Plasmid Kit (Locus ID 161582)

Product data:

Product Type: shRNA Plasmids

Product Name: DYX1C1 Human shRNA Plasmid Kit (Locus ID 161582)

Locus ID: 161582

Synonyms: CILD25; DYX1; DYX1C1; DYXC1; EKN1; RD

Vector: pGFP-C-shLenti (TR30023)

E. coli Selection: Chloramphenicol (34 ug/ml)

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: DYX1C1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID =

161582). 5µg purified plasmid DNA per construct

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

RefSeq: NM 001033559, NM 001033560, NM 130810, NM 001033560.1, NM 130810.1, NM 130810.2,

NM 130810.3, NM 001033559.1, NM 001033559.2, BC062564, BC062564.1, BC017392,

BM971229, NM 130810.4

UniProt ID: Q8WXU2

Summary: This gene encodes a tetratricopeptide repeat domain-containing protein. The encoded

protein interacts with estrogen receptors and the heat shock proteins, Hsp70 and Hsp90. An

homologous protein in rat has been shown to function in neuronal migration in the

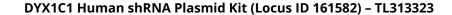
developing neocortex. A chromosomal translocation involving this gene is associated with a susceptibility to developmental dyslexia. Mutations in this gene are associated with deficits in reading and spelling. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream cell cycle progression 1

(CCPG1) gene. [provided by RefSeq, Mar 2011]

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).