

## **Product datasheet for TL313286**

## OriGene Technologies, Inc.

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## **EEF2 Human shRNA Plasmid Kit (Locus ID 1938)**

**Product data:** 

**Product Type:** shRNA Plasmids

**Product Name:** EEF2 Human shRNA Plasmid Kit (Locus ID 1938)

**Locus ID:** 1938

**Synonyms:** EEF-2; EF-2; EF2; SCA26

Vector: pGFP-C-shLenti (TR30023)

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

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: EEF2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 1938). 5µg

purified plasmid DNA per construct

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

RefSeq: NM 001961, NM 001961.1, NM 001961.2, NM 001961.3, BC006547, BC024689, BC126259,

BC136313

UniProt ID: P13639

**Summary:** This gene encodes a member of the GTP-binding translation elongation factor family. This

protein is an essential factor for protein synthesis. It promotes the GTP-dependent

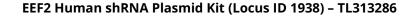
translocation of the nascent protein chain from the A-site to the P-site of the ribosome. This protein is completely inactivated by EF-2 kinase phosporylation. [provided by RefSeq, Jul

2008]

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 <u>custom shRNA service</u>.







## 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).