

## **Product datasheet for TG304713**

## EZH2 Human shRNA Plasmid Kit (Locus ID 2146)

**Product data:** 

**Product Type:** shRNA Plasmids

**Product Name:** EZH2 Human shRNA Plasmid Kit (Locus ID 2146)

**Locus ID:** 2146

Synonyms: ENX-1; ENX1; EZH2b; KMT6; KMT6A; WVS; WVS2

**Vector:** pGFP-V-RS (TR30007)

E. coli Selection: Kanamycin

Mammalian Cell Puromycin

Selection:

Format: Retroviral plasmids

**Components:** EZH2 - Human, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 2146).

5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.

RefSeq: NM 001203247, NM 001203248, NM 001203249, NM 004456, NM 152998, NM 004456.1,

NM 004456.2, NM 004456.3, NM 004456.4, NM 152998.1, NM 152998.2, NM 001203249.1, NM 001203248.1, NM 001203247.1, BC010858, BC010858.2, BM974565, NM 001203249.2,

NM 001203247.2, NM 004456.5, NM 001203248.2, NM 152998.3

UniProt ID: Q15910

Summary: This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form

multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively splcied transcript variants encoding distinct isoforms have been

identified for this gene. [provided by RefSeq, Feb 2011]

**shRNA Design:** These shRNA constructs were designed against multiple splice variants at this gene locus. To

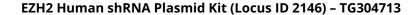
be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our custom shRNA service.



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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. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).