

Product datasheet for **TL309907**

RBFOX2 Human shRNA Plasmid Kit (Locus ID 23543)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RBFOX2 Human shRNA Plasmid Kit (Locus ID 23543)
Locus ID:	23543
Synonyms:	dj106I20.3; Fox-2; FOX2; fxx; HNRBP2; HRNBP2; RBM9; RTA
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	RBFOX2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 23543). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001031695 , NM_001082576 , NM_001082577 , NM_001082578 , NM_001082579 , NM_014309 , NM_001349982 , NM_001349983 , NM_001349989 , NM_001349990 , NM_001349991 , NM_001349992 , NM_001349994 , NM_001349995 , NM_001349996 , NM_001349997 , NM_001349998 , NM_001349999 , NM_001031695.1 , NM_001031695.2 , NM_001031695.3 , NM_001082576.1 , NM_001082576.2 , NM_001082578.1 , NM_001082578.2 , NM_001082579.1 , NM_001082579.2 , NM_014309.1 , NM_014309.2 , NM_014309.3 , NM_001082577.1 , NM_001082577.2 , BC025281 , BC025281.1 , BC013115 , NM_014309.4 , NM_001031695.4 , NM_001082577.3 , NM_001082578.3 , NM_001082576.3
UniProt ID:	O43251
Summary:	This gene is one of several human genes similar to the C. elegans gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]



[View online »](#)

- 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).