

## Product datasheet for **TL307175**

### **ANKHD1-EIF4EBP3 Human shRNA Plasmid Kit (Locus ID 404734)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	ANKHD1-EIF4EBP3 Human shRNA Plasmid Kit (Locus ID 404734)
Locus ID:	404734
Synonyms:	MASK-BP3; MASK-BP3ARF
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	ANKHD1-EIF4EBP3 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 404734). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_020690</a> , <a href="#">NM_020690.3</a> , <a href="#">NM_020690.4</a> , <a href="#">NM_020690.5</a> , <a href="#">BC144623</a> , <a href="#">BC172416</a>
UniProt ID:	<a href="#">Q8IWZ3</a>
Summary:	The ANKHD1-EIF4EBP3 mRNA is an infrequent but naturally occurring readthrough transcript of the neighboring ANKHD1 and EIF4EBP3 genes. This readthrough transcript encodes a protein composed mostly of the multiple ankyrin repeats, single KH-domain protein, with its C-terminus encoded in a different reading frame from the shared portion of the EIF4EBP3 gene. The significance of this readthrough mRNA and the function of its protein product have not yet been determined. [provided by RefSeq, Nov 2009]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .


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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](mailto: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).