

## Product datasheet for **TR509103**

### Sh3kbp1 Mouse shRNA Plasmid (Locus ID 58194)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Sh3kbp1 Mouse shRNA Plasmid (Locus ID 58194)
Locus ID:	58194
Synonyms:	1200007H22Rik; 1700125L08Rik; 5830464D22Rik; AI447724; Cin85; IN85; Ruk; Seta
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Sh3kbp1 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 58194). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_001135727</a> , <a href="#">NM_001135728</a> , <a href="#">NM_001290661</a> , <a href="#">NM_001290664</a> , <a href="#">NM_021389</a> , <a href="#">NR_110969</a> , <a href="#">NR_110970</a> , <a href="#">NM_001135727.1</a> , <a href="#">NM_001135727.2</a> , <a href="#">NM_001135728.1</a> , <a href="#">NM_001135728.2</a> , <a href="#">NM_021389.1</a> , <a href="#">NM_021389.2</a> , <a href="#">NM_021389.3</a> , <a href="#">NM_021389.4</a> , <a href="#">NM_021389.5</a> , <a href="#">NM_021389.6</a> , <a href="#">NM_001290661.1</a> , <a href="#">NM_001290664.1</a> , <a href="#">BC034646</a> , <a href="#">BC052863</a> , <a href="#">BC156605</a>
UniProt ID:	<a href="#">Q8R550</a>
Summary:	Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through an association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may be inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit. May be involved in regulation of cell adhesion; promotes the interaction between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration (By similarity).[UniProtKB/Swiss-Prot Function]



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**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](mailto: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](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).