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# Product datasheet for TL500426V

## Crkl Mouse shRNA Lentiviral Particle (Locus ID 12929)

### Product data:

| | |
|---|---|
| **Product Type:** | shRNA Lentiviral Particles |
| **Product Name:** | Crkl Mouse shRNA Lentiviral Particle (Locus ID 12929) |
| **Locus ID:** | 12929 |
| **Synonyms:** | 1110025F07Rik; AA589403; AI325100; Cr; Crkol; snoop |
| **Vector:** | pGFP-C-shLenti (TR30023) |
| **Format:** | Lentiviral particles |
| **Components:** | Crkl - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml. |
| **RefSeq:** | BC131984, BC131986, NM_001277231, NM_007764, NM_007764.1, NM_007764.2, NM_007764.3, NM_007764.4, NM_007764.5, NM_001277231.1, BC023080 |
| **UniProt ID:** | P47941 |
| **Summary:** | This gene is part of a family of adapter proteins that mediate formation of signal transduction complexes in response to extracellular stimuli, such as growth and differentiation factors. Protein-protein interactions occur through the SH2 domain, which binds phosphorylated tyrosine residues, and the SH3 domain, which binds proline-rich peptide motifs. These interactions promote recruitment and activation of effector proteins to regulate cell migration, adhesion, and proliferation. In certain mouse genetic backgrounds this protein is essential for embryonic development. It is important for neural crest cell differentiation and survival and is proposed to play an important role in transducing the oncogenic signal of Bcr/Abl. Deletion of this gene in mouse mimics the phenotype of DiGeorge/velocardiofacial syndrome in human. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Mar 2013] |
| **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. |

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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).