

Product datasheet for **TL308465**

USP15 Human shRNA Plasmid Kit (Locus ID 9958)

Product data:

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| Product Type: | shRNA Plasmids |
| Product Name: | USP15 Human shRNA Plasmid Kit (Locus ID 9958) |
| Locus ID: | 9958 |
| Synonyms: | UNPH-2; UNPH4 |
| Vector: | pGFP-C-shLenti (TR30023) |
| E. coli Selection: | Chloramphenicol (34 ug/ml) |
| Mammalian Cell Selection: | Puromycin |
| Format: | Lentiviral plasmids |
| Components: | USP15 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 9958). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free. |
| RefSeq: | NM_001252078 , NM_001252079 , NM_006313 , NM_001351159 , NM_001351160 , NM_001351161 , NM_001351162 , NM_001351163 , NM_001351164 , NM_001351165 , NM_001351166 , NR_147078 , NR_147079 , NR_147080 , NR_147081 , NR_147082 , NM_006313.1 , NM_001252079.1 , NM_001252078.1 , BC125123 , BC020688 , BC063454 , BC110908 , NM_001252078.2 , NM_006313.3 |
| UniProt ID: | Q9Y4E8 |
| Summary: | This gene encodes a member of the ubiquitin specific protease (USP) family of deubiquitinating enzymes. USP enzymes play critical roles in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. The encoded protein associates with the COP9 signalosome, and also plays a role in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 2. [provided by RefSeq, Nov 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 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).