

# **Product datasheet for TR319552**

## **GNGT1 Human shRNA Plasmid Kit (Locus ID 2792)**

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:shRNA PlasmidsProduct Name:GNGT1 Human shRNA Plasmid Kit (Locus ID 2792)Locus ID:2792Synonyms:GNG1Vector:pRS (TR20003)E. coli Selection:AmpicillinMammalian CellPromycinFormat:Retroviral plasmidsComponents:GNGT1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID 2792). Sµg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.RefSeq:NM 001329426, NM 021955, NM 021955, NM 021955, NM 021955, AM 021955, AM 021955, AM 021955, AM 021955, SUniProt ID:P63211Summary:This gene encodes the gamma subunit of transducin, a guanine nucleotid-binding protein of protein) that is found in rod outer segments. Transducin, also known as GMPase, mediates the activation of a cyclic GTP-specific (guanosine monophosphate) phosphodiesterase by rhootopsin. [provided by RefSeq, Jul 2016]ShRNA Design:Shes shRNA constructs were designed against multiple splice variants at this gene locus. Figu need a special design or shRNA sequence, please utilize our custom shRNA service.		
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### **GNGT1** Human shRNA Plasmid Kit (Locus ID 2792) – TR319552

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).

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