

Product datasheet for TR308745

TMPRSS2 Human shRNA Plasmid Kit (Locus ID 7113)

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:shRNA PlasmidsProduct Name:TMPRSS2 Human shRNA Plasmid Kit (Locus ID 7113)Locus ID:7113Synonyms:PRSS10Vector:pRS (TR20003)E. coli Selection:AmpicillinMammalian CellyuromycinSelection:Retroviral plasmidsFormat:Retroviral plasmidsComponents:TMPRS52 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 7113). Sug purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.RefSeq:NM 001135099, MM 005656, MM 005656, J. NM 005656, J. NM 001135099, J. BC051839, BC051839, L BC015819, BC035623, NM 005656, J.UniProt ID:015393Summary:This gene encodes a protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine protease family. The encoded in many physiological and pathological processes. This gene was demonstrated to be up- regulated by androgenic hormones in prostate cancer class and known regulated in androgen- independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage. This protein also facilitates entry of viruses into host cells by proteolytically cleaving and activating wiral envelope glycoproteins. Viruses 6 found to use this protein for cell entry include Influenza virus and the human coronaviruses HCOV-229E, MERS-CoV, SARS-CoV and SARS-CoV-2 (COVID-19 virus). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2020]	i i oddet data.	
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GRIGENE TMPRSS2 Human shRNA Plasmid Kit (Locus ID 7113) – TR308745

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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