Product datasheet for TL304023V

Hsc70 (HSPA8) Human shRNA Lentiviral Particle (Locus ID 3312)

Product data:

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Product Type:	shRNA Lentiviral Particles
Product Name:	Hsc70 (HSPA8) Human shRNA Lentiviral Particle (Locus ID 3312)
Locus ID:	3312
Synonyms:	HEL-33; HEL-S-72p; HSC54; HSC70; HSC71; HSP71; HSP73; HSPA10; LAP-1; LAP1; NIP71
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	HSPA8 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_006597, NM_153201, NM_006597.1, NM_006597.2, NM_006597.3, NM_006597.4, NM_006597.5, NM_153201.1, NM_153201.2, BC016660, BC016660.1, BC007276, BC008907, BC015699, BC016179, BC019816, BC042163, NM_153201.4, NM_006597.6
UniProt ID:	P11142
Summary:	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 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).

Product images:
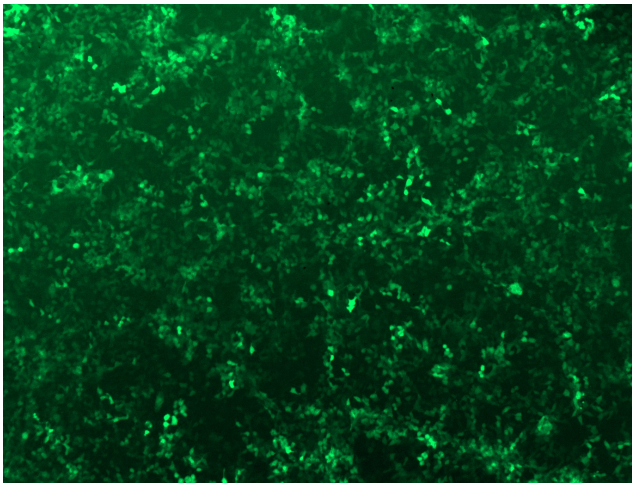
GFP signal was observed under microscope at 48 hours after transduction of TL304023A virus into HEK293 cells. TL304023A virus was prepared using lenti-shRNA TL304023A and [TR30037] packaging kit.
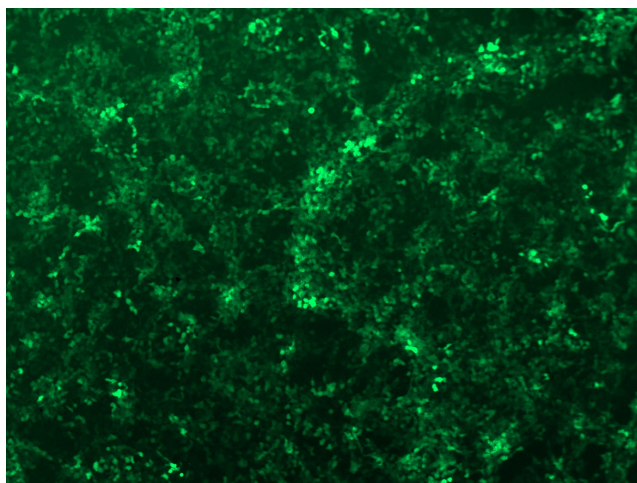
GFP signal was observed under microscope at 48 hours after transduction of TL304023B virus into HEK293 cells. TL304023B virus was prepared using lenti-shRNA TL304023B and [TR30037] packaging kit.
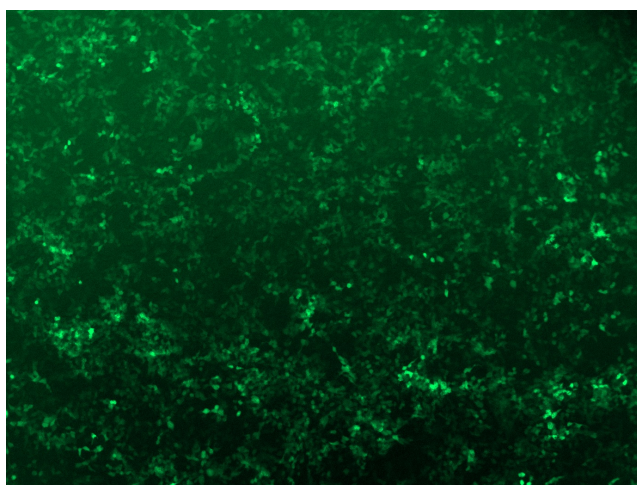
GFP signal was observed under microscope at 48 hours after transduction of [TL304023C] virus into HEK293 cells. [TL304023C] virus was prepared using lenti-shRNA [TL304023C] and [TR30037] packaging kit.
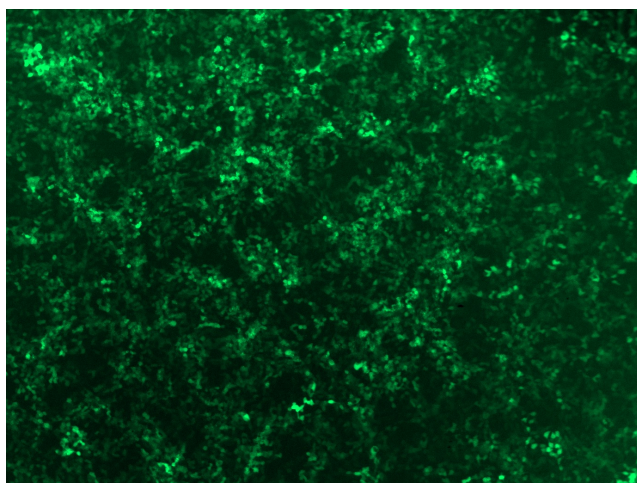
GFP signal was observed under microscope at 48 hours after transduction of [TL304023D] virus into HEK293 cells. [TL304023D] virus was prepared using lenti-shRNA [TL304023D] and [TR30037] packaging kit.