

# D8Ertd738e siRNA (m): sc-142855

## BACKGROUND

D8Ertd738e, also known as leydig cell tumor 10 kDa protein homolog, is a 94 amino acid protein that belongs to the UPF0390 family and may have a potential role in hypercalcemia of malignancy. The human homolog of D8Ertd738e, known as leydig cell tumor 10 kDa protein homolog or C19orf53, is a 99 amino acid protein that belongs to the UPF0390 family. The genes that encode D8Ertd738e and Leydig cell tumor 10 kDa protein homolog map to mouse chromosome 8 C3 and human chromosome 19, respectively. Consisting of around 63 million bases with more than 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA.

## REFERENCES

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## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

## CHROMOSOMAL LOCATION

Genetic locus: D8Ertd738e (mouse) mapping to 8 C3.

## PRODUCT

D8Ertd738e siRNA (m) is a target-specific 19-25 nt siRNA designed to knock down gene expression. Each vial contains 3.3 nmol of lyophilized siRNA, sufficient for a 10  $\mu$ M solution once resuspended using protocol below. Suitable for 50-100 transfections. Also see D8Ertd738e shRNA Plasmid (m): sc-142855-SH and D8Ertd738e shRNA (m) Lentiviral Particles: sc-142855-V as alternate gene silencing products.

## STORAGE AND RESUSPENSION

Store lyophilized siRNA duplex at -20° C with desiccant. Stable for at least one year from the date of shipment. Once resuspended, store at -20° C, avoid contact with RNAses and repeated freeze thaw cycles.

Resuspend lyophilized siRNA duplex in 330  $\mu$ l of the RNase-free water provided. Resuspension of the siRNA duplex in 330  $\mu$ l of RNase-free water makes a 10  $\mu$ M solution in a 10  $\mu$ M Tris-HCl, pH 8.0, 20 mM NaCl, 1 mM EDTA buffered solution.

## APPLICATIONS

D8Ertd738e siRNA (m) is recommended for the inhibition of D8Ertd738e expression in mouse cells.

## SUPPORT REAGENTS

For optimal siRNA transfection efficiency, Santa Cruz Biotechnology's siRNA Transfection Reagent: sc-29528 (0.3 ml), siRNA Transfection Medium: sc-36868 (20 ml) and siRNA Dilution Buffer: sc-29527 (1.5 ml) are recommended. Control siRNAs or Fluorescein Conjugated Control siRNAs are available as 10  $\mu$ M in 66  $\mu$ l. Each contain a scrambled sequence that will not lead to the specific degradation of any known cellular mRNA. Fluorescein Conjugated Control siRNAs include: sc-36869, sc-44239, sc-44240 and sc-44241. Control siRNAs include: sc-37007, sc-44230, sc-44231, sc-44232, sc-44233, sc-44234, sc-44235, sc-44236, sc-44237 and sc-44238.

## RT-PCR REAGENTS

Semi-quantitative RT-PCR may be performed to monitor D8Ertd738e gene expression knockdown using RT-PCR Primer: D8Ertd738e (m)-PR: sc-142855-PR (20  $\mu$ l). Annealing temperature for the primers should be 55-60° C and the extension temperature should be 68-72° C.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.