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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 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 μ 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 μ l of the RNase-free water provided. Resuspension of the siRNA duplex in 330 μ l of RNase-free water makes a 10 μ M solution in a 10 μ 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 μ M in 66 μ 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 μ 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.