ETV4 siRNA – ETS Translocation Variant 4 (Mouse)

PRODUCT OVERVIEW

Product Name	ETV4, siRNA
Full Product Name	ETV4 siRNA (Mouse)
Product Gene Name	ETV4 sirna
Product Synonym Names	PEA-3; PEA3; ETS translocation variant 4; Polyomavirus enhancer activator 3; Protein PEA3
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	ETV4 siRNA (Mouse) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	60,847 Da
3D Structure	ModBase 3D Structure for P28322
Negative Control	siRNA Negative Control (Catalog# MBS8241404) is a non-targeting 21 nt siRNA recommended as a negative control for experiments using targeted siRNA transfection.
Quality Control	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid phase extraction. The annealed RNA duplex is further analyzed by mass spectrometry to verify the exact composition of the duplex. Each lot is compared to the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.
Directions for Use	We recommends transfection with 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For each vial, suitable for 250 transfections in 24 well plate (20 pmol for each well).
Components	We offer pre-designed sets of 3 different target-specific siRNA oligo duplexes of mouse ETV4 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes can be transfected individually or pooled together to achieve knockdown of the target gene, which is most commonly assessed by qPCR or western blot. Our siRNA oligos are also chemically modified (2'-OMe) at no extra charge for increased stability and enhanced knockdown in vitro and in vivo.
Applications Tested/Suitable for ETV4 sirna	RNA Interference (RNAi)
Related Product Information for ETV4 sirna	MBS8223299 is an siRNA targeting ETV4. Also known as ETV4 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit ETV4 expression using RNA interference
Other Notes	Small volumes of ETV4 sirna vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ETV4. It may not necessarily be applicable to this product.

NCBI GI #	121582414

NCBI GeneID	18612
NCBI Accession #	NP_032841.2
UniProt Primary Accession #	P28322
UniProt Secondary Accession #	Q3UMZ6
UniProt Related Accession #	P28322
GenBank Nucleotide #	NM_008815.2
NCBI Official Full Name	ETS translocation variant 4
NCBI Official Synonym Full Names	ets variant 4
NCBI Official Symbol	Etv4
NCBI Official Synonym Symbols	Pea3; Pea-3; AW414408
UniProt Protein Name	ETS translocation variant 4
UniProt Synonym Protein Names	Polyomavirus enhancer activator 3; Protein PEA3
Protein Family	ETS translocation
UniProt Gene Name	Etv4
UniProt Synonym Gene Names	Pea-3; Pea3; Protein PEA3
UniProt Entry Name	ETV4_MOUSE
NCBI Protein Information	ETS translocation variant 4
UniProt Comments for ETV4	ETV4: Transcriptional activator that binds to the enhancer of the adenovirus E1A gene; the core-binding sequence is 5'[AC]GGA[AT]GT-3'. Belongs to the ETS family. Protein type: DNA-binding Cellular Component: nucleolus; intracellular; nucleus Molecular Function: DNA binding; sequence-specific DNA binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; motor axon guidance; positive regulation of transcription from RNA polymerase II promoter; stem cell differentiation; negative regulation of mammary gland epithelial cell proliferation
Research Articles on ETV4	**1.** Study hypothesized that PEA3 might play an essential role in the activation of the FAK gene during tumor metastasis.
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