ZFP36L2 siRNA – Zinc Finger Protein 36, C3H1 Type-Like 2 (Human)

PRODUCT OVERVIEW

Product Name	ZFP36L2, siRNA
Full Product Name	ZFP36L2 siRNA (Human)
Product Gene Name	ZFP36L2 sirna
Product Synonym Names	BRF2; ERF2; RNF162C; TIS11D; Zinc finger protein 36. C3H1 type-like 2; ZFP36-like 2; Butyrate response factor 2; EGF-response factor 2; ERF-2; Protein TIS11D
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	ZFP36L2 siRNA (Human) 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	51,063 Da
OMIM	612053
3D Structure	ModBase 3D Structure for P47974
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 human ZFP36L2 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 ZFP36L2 sirna	RNA Interference (RNAi)
Related Product Information for ZFP36L2 sirna	MBS8200076 is an siRNA targeting ZFP36L2. Also known as ZFP36L2 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit ZFP36L2 expression using RNA interference
Other Notes	Small volumes of ZFP36L2 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 ZFP36L2. It may not necessarily be applicable to this product.

NCBI GI #	15812178
NCBI GeneID	678
NCBI Accession #	NP_008818.3
UniProt Primary Accession #	P47974
UniProt Secondary Accession #	Q53TB4; Q9BSJ3
UniProt Related Accession #	P47974
GenBank Nucleotide #	NM_006887.4
NCBI Official Full Name	zinc finger protein 36, C3H1 type-like 2
NCBI Official Synonym Full Names	ZFP36 ring finger protein-like 2
NCBI Official Symbol	ZFP36L2
NCBI Official Synonym Symbols	BRF2; ERF2; ERF-2; TIS11D; RNF162C
UniProt Protein Name	Zinc finger protein 36, C3H1 type-like 2
UniProt Synonym Protein Names	Butyrate response factor 2; EGF-response factor 2; ERF-2; Protein TIS11D
Protein Family	mRNA decay activator protein
UniProt Gene Name	ZFP36L2
UniProt Synonym Gene Names	BRF2; ERF2; RNF162C; TIS11D; ZFP36-like 2; ERF-2
UniProt Entry Name	TISD_HUMAN
NCBI Protein Information	zinc finger protein 36, C3H1 type-like 2
NCBI Summary for ZFP36L2	This gene is a member of the TIS11 family of early response genes. Family members are induced by various agonists such as the phorbol ester TPA and the polypeptide mitogen EGF. The encoded protein contains a distinguishing putative zinc finger domain with a repeating cys-his motif. This putative nuclear transcription factor most likely functions in regulating the response to growth factors. [provided by RefSeq, Jul 2008]
UniProt Comments for ZFP36L2	ZFP36L2: Probable regulatory protein involved in regulating the response to growth factors. RNA-binding protein that binds to 5'UUAUUUAUUU-3' core sequence. Binds to the class II AU-rich element (ARE) in the 3'-UTR of target mRNAs and promotes their deadenylation and degradation. Protein type: Transcription factor Chromosomal Location of Human Ortholog: 2p22.3-p21 Cellular Component: cytoplasm; nucleus Molecular Function: DNA binding; metal ion binding; AU-rich element binding; transcription factor activity Biological Process: cell proliferation; regulation of transcription, DNA-dependent; somatic stem cell maintenance; T cell differentiation in the thymus; mRNA catabolic process; somatic stem cell division; hemopoiesis; regulation of mRNA stability; mRNA catabolic process, deadenylation-dependent decay
Research Articles on ZFP36L2	**1.** The roles of TTP and BRF proteins in regulated mRNA decay.
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