

Product datasheet for **SR310275**

Aprataxin (APTX) Human siRNA Oligo Duplex (Locus ID 54840)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_001195248 , NM_001195249 , NM_001195250 , NM_001195251 , NM_001195252 , NM_001195254 , NM_017692 , NM_175069 , NM_175071 , NM_175072 , NM_175073 , NR_036576 , NR_036577 , NR_036578 , NR_036579 , NM_001368995 , NM_001368997 , NM_001369000 , NM_001369002 , NM_001369004 , NM_001369005 , NM_001370670 , NR_160920 , NR_160922 , NR_160923 , NR_160930 , NM_001368996 , NM_001368998 , NM_001368999 , NM_001369001 , NM_001369003 , NM_001369006 , NM_001370669 , NM_001370673 , NR_160921 , NR_160924 , NR_160925 , NR_160926 , NR_160927 , NR_160928 , NR_160929 , NR_160931
UniProt ID:	Q7Z2E3
Synonyms:	AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT
Components:	APTX (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 54840) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a member of the histidine triad (HIT) superfamily. The encoded protein may play a role in single-stranded DNA repair through its nucleotide-binding activity and its diadenosine polyphosphate hydrolase activity. Mutations in this gene have been associated with ataxia-ocular apraxia. Alternatively spliced transcript variants have been identified for this gene.[provided by RefSeq, Aug 2010]



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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).