

Product datasheet for **SR320980**

Ataxin 3 (ATXN3) Human siRNA Oligo Duplex (Locus ID 4287)

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_001024631 , NM_001127696 , NM_001127697 , NM_001164774 , NM_001164775 , NM_001164776 , NM_001164777 , NM_001164778 , NM_001164779 , NM_001164780 , NM_001164781 , NM_001164782 , NM_004993 , NM_030660 , NR_028453 , NR_028454 , NR_028455 , NR_028456 , NR_028457 , NR_028458 , NR_028459 , NR_028460 , NR_028461 , NR_028462 , NR_028463 , NR_028464 , NR_028465 , NR_028466 , NR_028467 , NR_028468 , NR_028469 , NR_028470 , NR_031765
UniProt ID:	P54252
Synonyms:	AT3, JOS, MJD, ATX3, MJD1, SCA3
Components:	ATXN3 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 4287) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene contains (CAG) <i>n</i> repeats in the coding region, and the expansion of these repeats from the normal 12-44 to 52-86 is one cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2016]



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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).