

Product datasheet for **SR403105**

Fhit Mouse siRNA Oligo Duplex (Locus ID 14198)

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_010210
UniProt ID:	O89106
Synonyms:	AW045638; Fra1; Fra14A2
Components:	Fhit (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 14198) 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 HIT family of proteins that are characterized by the presence of a histidine triad sequence. The encoded protein is a diadenosine triphosphate hydrolase enzyme that cleaves the P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. This locus is very fragile and has been found to be altered in different types of cancers. Mice lacking the encoded protein display increased susceptibility to spontaneous and induced tumors. Ectopic expression of the encoded protein in such knockout mice inhibits tumor development. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]



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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).