

Product datasheet for **KN206576**

SIAH1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	SIAH1
Locus ID:	6477
Components:	<p>KN206576G1, SIAH1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGACACTTCGAGGTACCGGT</p> <p>KN206576G2, SIAH1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAAGTGTCCACCATCCCAG</p> <p>KN206576D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

GE100003, scramble sequence in pCas-Guide vector

Disclaimer:

These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq:

[NM_001006610](#), [NM_001006611](#), [NM_003031](#)

UniProt ID:

[Q8IUQ4](#)

Synonyms:

SIAH1A

Summary:

This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and induction of apoptosis. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]

Product images:

