

Product datasheet for **KN307405**

Gstt1 Mouse 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: Gstt1
Locus ID: 14871
Components: **KN307405G1**, Gstt1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAGATATAAATGGCGCGACA
KN307405G2, Gstt1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCGTTCCAGATGCACACGG
KN307405D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCGGCG
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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_008185](#), [NM_001358778](#)

UniProt ID:

[Q64471](#)

Synonyms:

AI255817; Gstt1-1

Summary:

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Also binds steroids, bilirubin, carcinogens and numerous organic anions. Has dichloromethane dehalogenase activity.[UniProtKB/Swiss-Prot Function]

Product images:

