

Product datasheet for **KN203354**

UXS 1 (UXS1) 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: UXS 1
Locus ID: 80146
Components: **KN203354G1**, UXS 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCAGCAGCTTCATCCTCCTG
KN203354G2, UXS 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCGGTTGACGGCAGACACG
KN203354D, 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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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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ACACTGCGGC CAACTTACTT CTGACAACGA TCGGAGGACC GAAGGAGCTA ACCGCTTTTT TGCACAACAT
GGGGGATCAT GTAACCTGCC TT

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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_001253875](#), [NM_001253876](#), [NM_025076](#), [NR_045607](#)

UniProt ID:

[Q8NBZ7](#)

Synonyms:

SDR6E1; UGD

Summary:

This gene encodes an enzyme found in the perinuclear Golgi which catalyzes the synthesis of UDP-xylose used in glycosaminoglycan (GAG) synthesis on proteoglycans. The GAG chains are covalently attached to proteoglycans which participate in signaling pathways during development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

Product images:

