

Product datasheet for **KN207406**

EXTL2 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:	EXTL2
Locus ID:	2135
Components:	<p>KN207406G1, EXTL2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACAAAATTTATCACCTTAA</p> <p>KN207406G2, EXTL2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TATATACTTAAAACCCGTTA</p> <p>KN207406D, 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_001033025](#), [NM_001261440](#), [NM_001261441](#), [NM_001261442](#), [NM_001439](#), [NR_048570](#)

UniProt ID:

[Q9UBQ6](#)

Synonyms:

EXTR2

Summary:

Glycosyltransferase required for the biosynthesis of heparan-sulfate and responsible for the alternating addition of beta-1-4-linked glucuronic acid (GlcA) and alpha-1-4-linked N-acetylglucosamine (GlcNAc) units to nascent heparan sulfate chains.[UniProtKB/Swiss-Prot Function]

Product images:

