

## Product datasheet for **KN222133LP**

### **XYLT1 Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
<b>Donor DNA:</b>	Luciferase-Puro
<b>Symbol:</b>	XYLT1
<b>Locus ID:</b>	64131
<b>Components:</b>	<b>KN222133G1</b> , XYLT1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN222133G2</b> , XYLT1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN222133LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_022166</a>
<b>UniProt ID:</b>	<a href="#">Q86Y38</a>
<b>Synonyms:</b>	DBQD2; PXYLT1; XT-I; XT1; XTl; xylT-I; XYLTl
<b>Summary:</b>	This locus encodes a xylosyltransferase enzyme. The encoded protein catalyzes transfer of UDP-xylose to serine residues of an acceptor protein substrate. This transfer reaction is necessary for biosynthesis of glycosaminoglycan chains. Mutations in this gene have been associated with increased severity of pseudoxanthoma elasticum.[provided by RefSeq, Nov 2009]



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## Product images:

