

## Product datasheet for **KN206822LP**

### OGT Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	OGT
Locus ID:	8473
Components:	<b>KN206822G1</b> , OGT gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206822G2</b> , OGT gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206822LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_003605</a> , <a href="#">NM_181672</a> , <a href="#">NM_181673</a>
UniProt ID:	<a href="#">O15294</a>
Synonyms:	FLJ23071; HRNT1; MGC22921; O-GLCNAC
Summary:	This gene encodes a glycosyltransferase that catalyzes the addition of a single N-acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains multiple tetratricopeptide repeats that are required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Oct 2009]



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## Product images:

