

## Product datasheet for **KN206822RB**

### OGT Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	OGT
Locus ID:	8473
Components:	<p><b>KN206822G1</b>, OGT gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN206822G2</b>, OGT gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN206822RBD</b>, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
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:	<p>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]</p>



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## Product images:

