

Product datasheet for **KN202845BN**

THG1L Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	THG1L
Locus ID:	54974
Components:	KN202845G1 , THG1L gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN202845G2 , THG1L gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN202845BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	NM_001317824 , NM_001317825 , NM_001317826 , NM_017872
UniProt ID:	Q9NWX6
Synonyms:	hTHG1; ICF45; IHG-1
Summary:	The protein encoded by this gene is a mitochondrial protein that is induced by high levels of glucose and is associated with diabetic nephropathy. The encoded protein appears to increase mitochondrial biogenesis, which could lead to renal fibrosis. Another function of this protein is that of a guanylttransferase, adding GMP to the 5' end of tRNA(His). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]



[View online »](#)

Product images:

