

Product datasheet for **KN200246BN**

UGP2 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:	UGP2
Locus ID:	7360
Components:	<p>KN200246G1, UGP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200246G2, UGP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200246BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_001001521 , NM_006759
UniProt ID:	Q16851
Synonyms:	pHC379; UDPG; UDPGP; UDPGP2; UGP1; UGPP1; UGPP2
Summary:	<p>The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p>



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Product images:

