

Product datasheet for **KN216435**

UGT2B28 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	UGT2B28
Locus ID:	54490
Components:	<p>KN216435G1, UGT2B28 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CATCCAATGGCTGTATTCAC</p> <p>KN216435G2, UGT2B28 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAAAGGTGCTGGTGTGGAC</p> <p>KN216435D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <p>Homologous arm and GFP-puro sequences: pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet</p> <pre> AGAAATTAGA T TACTGGTTG CCCAGTGCAG GCGGGTGCA GAAATTTGGT GGGGAGATGA GAGCTAATAC ACAGGAGTTT TTTGTTTTT TAGATAAAC TGATTGTTAT GTTGGATGCA CAAGTCTGTG AATTTACAAG GAAACTTA ATTTAAATA CTAATTGATG AATCATATGG TATTTGAATT ATACTTCAAC AAAGTTTTAC AAGATATTCC TTGAACCACG ATATTCAAAA ACGCTATTTG CATTGTACGA TCACTTCATC TCTTACTCTG TGCAAGGGC CCTGCAGGAC TCTCTCACTT GCCACTATTC TTGACACTAT TATAAAATAG GTTACATAAA ACAGGGTACT TGCAAGGTCA TTAATCTTAG GTGGATGACA GCGAATATAA ACATAAAAGA AACATCAAAC ATCCTTGAGT AAATATGAAG TAATCAAAC TGTCTCCTT GTCATCCATG TACTCAGGAT GCTCCTATAA TATATTTACT TTGGATTGAA GGAGTTATGT TTAACTTGA TTGATTTATC TCTGTATATA AGTATGAGAA AGAAACAGTG ACTTGAAAAG AATGATTGCA TTGCACCAGG AGCTTGTTC AAGAGGTCAT GAGGTGACTG TACTGGCATC TTCAGCTTCC ATTCTTTTGG ATCCCAATGA CGCATTCACT CTAAACTCG AAGTTTATCC TACATCTTTA ACTAAAACG AATTTGAGAA TATCATCATG CAACAGGTTA AGAGATGGTC AGACATTCAA AAAGATAGCT TTTGGTTATA TTTTTCACAA GAACAAGAAA TCCTGTGGGA ATTTTCATGAC ATATTTAGAA ACTTCTGTAA AGATGTAGTT TCAAATAAGA AAGTTATGAA AAAACTACAA GAGTCAAGAT TTGACATCAT TTTTGCAGAT GCTTTTTTTC CTTGTGGTGA GCTGCTGGCT GCGCTACTTA ACATACCGTT TGTGTACAGT CTCTGCTTCA CTCTGGCTA CACAATTGAA AGGCACAGTG GAGGACTGAT TTTCCCTCCT TCCTACATAC CTGTTGTTAT GTCAAAATTA AGTGATCAAA TGACTTTTAT GGAGAGGGTA AAAAACATGA TCTATGTGCT TTATTTTGAC TTTTGGTTCC AAATGTGTGA TATGAAGAAG TGGGATCAGT TTTACAGTGA AGTTTTAGGT AAGAATTTGT </pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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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:

[NM_001207004](#), [NM_053039](#)

UniProt ID:

[Q9BY64](#)

Summary:

This gene encodes a member of the uridine diphosphoglucuronosyltransferase protein family. The encoded enzyme catalyzes the transfer of glucuronic acid from uridine diphosphoglucuronic acid to a diverse array of substrates including steroid hormones and lipid-soluble drugs. This process, known as glucuronidation, is an intermediate step in the metabolism of steroids. Two transcript variants encoding different isoforms have been found for this gene. While both isoforms are targeted to the endoplasmic reticulum, only the longer isoform appears to be active. [provided by RefSeq, May 2011]

Product images:
