

Product datasheet for **KN222452BN**

TBLR1 (TBL1XR1) 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:	TBLR1
Locus ID:	79718
Components:	<p>KN222452G1, TBLR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN222452G2, TBLR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN222452BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. Homologous arm and mBFP-Neo sequences: pUC vector backbone in gray; Left arm sequence in blue ; mBFP-Neo in green ; Right arm in violet</p> <pre> ACTGTATTCC AGCCTATCTC ATACATACCT AGAGCTTTTT GAGACTTGAA CATTACAGAT GAGATGGTGA GAAAATAGAG ACTTCATATC CTGCCAAGTT TCATAGATAA AACTGGAGTG GATAACTCAT GGTTCTACCC CACCCAATGG TCTTTTCCCA AGTAACTGAT ATTCTTTTTT AACTAAATCA GCCTTCTTGC AAATAACTAA TATTTTTTAT TTTTAAAATT TACTTCTTTT TACAGTTAAG GAGAAAAAGT GAGCAACATT TTATGCTATT TGATAAAATC ATTAAAATAT TATGCTAAAG CCCTCTAAAA AATTTTGTTT TATTTTTGCC AGTATGTTAC TTTGAAGAAA AATAACACCA GCCATGTTTT GGTTGTATAA TCATTTTCTT AACTATTGGA AGCAACTTTG TCAGGTTTTA TTATTAGGCA ATGTAGAACC TTCGTTTTAC ATCATTTAAT AAAATCAAAAT GGTTTTTACA ACATTGTTTA CATCTTGTTT AAAAATATTT TACTGAGAAA ATAATTAAT TTGTTTTATT TTTAGGGTTA TATCCTGTGT TGTGACCTCA TGGTTAAGT GGAATAAAG TAAATAGGCC TCAAATTATT TTAATATTCT CAAATAATC TTTTATGCAT TTGAAATTTG TATCAGTCCA AACCGTTGAA CTTTGTATGT TTTCTTAATG TCTGGACTGC CATTTTAAAG CTATGTTTTA CTGCATGGTT TAACTCTCTG ACTCTTTCOA ATATGTTGCA AACAAAGGCAA TTATTTGTAA CAGTTTGGCT TTCGTTGTTT AAAGACCATT TTTATAATCT GTTATGAGGT GAGATTATTG CATATGTAGT AGGAACATAA AACTTTTTAG CCACCATCAG TTTGATAATG TATATCCAGA ATTCTCAATT AAATGTTGTT GGTCTAATT GTAGTTAGTA TTTTGGAAAT TAAATTAACA GTATTTTCTT AGAATGCTTT CAAAATTATT ATTTGAATTA AGTGATCCT TGATCTGAAT TGTTATTATT GTAATGGGAG TAATTATAAA TAGAAATCAT TGAAAGCCAT TTGCAACTAA TATTAATCA ATCAGTGATC TTCCAAGTTT TATTGATAGA TAAAACAGAA GGAATACTGC AAGGGGAAAT GTGGATGGAT TAAGCAAAAA TTTAAAAGTA GAAGAGGGAA </pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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RefSeq: [NM_001321193](#), [NM_001321194](#), [NM_001321195](#), [NM_024665](#)

UniProt ID: [Q9BZK7](#)

Synonyms: C21; DC42; IRA1; MRD41; TBLR1

Summary: This gene is a member of the WD40 repeat-containing gene family and shares sequence similarity with transducin (beta)-like 1X-linked (TBL1X). The protein encoded by this gene is thought to be a component of both nuclear receptor corepressor (N-CoR) and histone deacetylase 3 (HDAC 3) complexes, and is required for transcriptional activation by a variety of transcription factors. Mutations in these gene have been associated with some autism spectrum disorders, and one finding suggests that haploinsufficiency of this gene may be a cause of intellectual disability with dysmorphism. Mutations in this gene as well as recurrent translocations involving this gene have also been observed in some tumors. [provided by RefSeq, Mar 2016]

Product images:

