

Product datasheet for **KN213318**

NY-ESO-1 (CTAG1B) 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:	NY-ESO-1
Locus ID:	1485
Components:	<p>KN213318G1, NY-ESO-1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGCATTCTGATGGCCAG</p> <p>KN213318G2, NY-ESO-1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGGGCACAGGGGGTTCGAC</p> <p>KN213318D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</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

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ACCTGGCGCC TGGGAGACCT TGGCTGGCGC GAGGCCACGC CCACCAGACA TGCAGTTCCA GCTACCCAC
CAGCTGGGCG ACCAGGACAG GGACGGAGGC TGCTGAGCCC AGTTAGAGGC CTGCCCCCGG GGGTCTGTCC
TGGGCGCTCC CCAAGGACG GACAGGGCAG GCAGGGTCCG GGACGATGGC CGCACAGTCC CGGCCCCGTG
TTCCAGGCC CGTCTTGCTC CTCGATGTGA GGGAGACCCG GGGGATGGGA CAGGCTGGG CCCGCAGTGC
CTGACTCCCT GCAGGGCTCC CGGGACAGGG GTCCGGCGGA CAGCCGGCTG CTCAGGGGTG AGGGTCCAA
GCTGGCATTG CGGCCACCTT CCGGCCCGGG CTCTCTTGGG GAGGGGCGGG GTTGGTGAGA ACCGGTCACG
TGCTCCGGGG CTCACTCGGG GTCTCCAGG GCCGGAAGTA GGGCCCTGT GCGCAGGCGC CCTGAGGATC
CCGGGCTGCC CATCTCACGC CAGGGGGCGG AACTTCCTGC AGCCTCTCTG CCTCCGCATC CTCGTGGGCC
CTGACCTTCT CTCTGAGAGC CGGGCAGAGG CTCCGGAGCC CAGGAGAGGC GGGTGCCACG GGCAGCAGAG
GTCCCGGGG CGCAGGGGCA GCAAGGGCCT CCGGGCCGGG AGGAGGCGCC CCGCGGGGTC CGCATGGCGG
CGCGGCTTCA GGGCTGAATG GATGCTGCAG ATGCGGGGCC AGGGGGCCGG AGAGCCGCT GCTTGAGTTG
TATTCTGTTC TGTCTGTTC TGTCTGTTC TGACAGTTCT GGTGGCGAGG TGGGGCCCGG GAGATGGGA
GGCAGGGCC AGGTGGGGGA GGAGGCGGGG GAGATGCGAG TAAGTGGTTG GGTGGGGGTG GGGGTGGGG
TTGGGAGGTG GGGATATGAG AGGCCAGCTG CGAGGAGGGG AGGAGGTAAG GGCTGGGAGG TAGAGGGGT
GGGGTGGGG GAGAGGGGCT GGGTATTGG GTGAGGGCA CCGGGTCATG CGGGGAGGGG AGCAGGGGCC
AGGAGATAGG GGGACCCAGG TGTAGGAGGG GATCAGGAGG TGGGGGAAG GGGGCAAGAT GGGAGCGGGT
GGCGGGAGGT GGTGGGATG GAGGGTCGAG TGATGAGGAG GGGGCCGGT GATGCCACAG GGGCAGGGT
GGGAGGGGT

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GE100003, scramble sequence in pCas-Guide vector



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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_001327](#)

UniProt ID: [P78358](#)

Synonyms: CT6.1; CTAG; CTAG1; ESO1; LAGE-2; LAGE2B; NY-ESO-1

Summary: The protein encoded by this gene is an antigen that is overexpressed in many cancers but that is also expressed in normal testis. This gene is found in a duplicated region of the X-chromosome and therefore has a neighboring gene of identical sequence. [provided by RefSeq, Jan 2012]

Product images:

