

## Product datasheet for **KN208432**

### YES1 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:	YES1
Locus ID:	7525
Components:	<p><b>KN208432G1</b>, YES1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTACAAGTGTGAGCCATTA</p> <p><b>KN208432G2</b>, YES1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCAGGTCTGTATTTAATGGC</p> <p><b>KN208432D</b>, 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

```
GGGTTACAGC CATTCTCCTG CCTCAGCCTC CCGAGTAGCT GGGACTACAG GCGCCACCA CCACGCCCGG
CTAATTTTTT GCATTTTATG TAGAGGCGGG GTTTCACCGT GTTAGCCAGG ATGGTCTCAA TCTCCTGACC
TCGTGATCCG CCCGCCTTGG CCTCCAAAG TGCTGGGATT ACAGGCGTGA GCCACTGCGC CCAGCGATAC
TTTTTCAAGT AACTGGAGTG CATAGAGGTT AAGCAACATA CCCTGAAATC ACTCCACTAC TAAGTAGGAA
GCCAGATTG AAATTTAGGC CTCTCTGGCT TCAGAGCCCA TGGTTTTTTC CCAATATACT GTGGCATGTT
GTCATTGGAC TATTAAAGGT GATTGAGTTG GAGAATGAAG CGATTGGAGT AGGGCTTTTG CAAATTGTAA
TAAAGATAAA TGAGGGAAG AGACCTCGTT TTCAGCTTTC TATTTTTTGT TTTGTTTATG TTCCTTTTTG
CAGGGATGGC ATATGCTTTT CTTAAATGA TTTTTTGAAC CCTGTCTTTT TGAAGTATCC TGTGTGTTAA
CTGACTCTCA AAATATTTTA TTGTCTCTGT AGATTTGATA CAGAACCAC TACAGTGTC AATGTCCGT
CATCTTCAGC AAAGGGAACA GCAGTTAATT TCAGCAGTCT TTCCATGACA CCATTTGGAG GATCCTCAGG
GGTAACGCCT TTTGGAGGTG CATCTTCCTC ATTTTCAGTG GTGCCAAGTT CATATCTCGT TGGTTTAAAC
GGTGAATTTT AAATGGACAA TTATGTTGTC TGTGTTGAGAA CATCACCTTG GGTAAATATAT ACTTAAGGCT
TGCTGCCTT TAAGAAAGAT ATCTTACTTG AGGACTTTTC AAATAATTGT ATGTGAAAAT CAGTCTCTAA
CATAAAAATT AGTTTTATTG TATACATGGG TATGTTCTCG GAAAATTGGT AGTAACCTGA TGGTGATTAT
GTACTGGATC ATGTCATTAA TTATTTTATT AACTCATTAT TCAAATAGTT ATTGAGCCCC CCCCCTGT
AGGCACCGGG AACATAAAGA TTA AAAACAT ATACCTTTCC CTCAAGAATT TGACAACCTC TCAGGATTGT
AAAGTACTTT GCAGTATTA AGTCTTATAG TGGTTACTTA ATAGATGTTA ATAAATGAC AGTAGAGTAG
CGATAATACA
```

**GE100003**, scramble sequence in pCas-Guide vector



[View online »](#)

**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\\_005433](#)

**UniProt ID:** [P07947](#)

**Synonyms:** c-yes; HsT441; P61-YES; Yes

**Summary:** This gene is the cellular homolog of the Yamaguchi sarcoma virus oncogene. The encoded protein has tyrosine kinase activity and belongs to the src family of proteins. This gene lies in close proximity to thymidylate synthase gene on chromosome 18, and a corresponding pseudogene has been found on chromosome 22. [provided by RefSeq, Jul 2008]

### Product images:

