

## Product datasheet for **KN202082**

### alpha 1 Antitrypsin (SERPINA1) 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:       | alpha 1 Antitrypsin   |
| Locus ID:     | 5265  |
| Components:   | <p><b>KN202082G1</b>, alpha 1 Antitrypsin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATGCCGCTTCTGTCTCGTG</p> <p><b>KN202082G2</b>, alpha 1 Antitrypsin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCCTGGCTGAGGATCCCCA</p> <p><b>KN202082D</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

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CTTCTGTGCA GCAGTTTCCC TGGCCACTAA ATAGTGGGAT TAGATAGAAG CCCTCCAAGG GCTTCCAGCT
TGACATGATT CTTGATTCTG ATCTGGCCCG ATTCCTGGAT AATCGTGGGC AGGCCATT CTTCTTTGT
GCCTCATTTT CTTCTTTTGT AAAACAATGG CTGTACCATT TGCATCTTAG GGTCAATTGCA GATGTAAGTG
TTGCTGTCCA GAGCCTGGGT GCAGGACCTA GATGTAGGAT TCTGGTTCTG CTACTTCCTC AGTGACATTG
AATAGCTGAC CTAATCTCTC TGGCTTTGGT TTCTTCATCT GTAAAAGAAG GATATTAGCA TTAGCACCTC
ACGGGATTGT TACAAGAAAG CAATGAATTA ACACATGTGA GCACGGAGAA CAGTGCTTGG CATATGGTAA
GCACTACGTA CATTTTGCTA TTCTTCTGAT TCTTTCAGTG TTA CTGATGT CGGCAAGTAC TTGGCACAGG
CTGGTTTAAAT AATCCCTAGG CACTTCCACG TGGTGTCAAT CCCTGATCAC TGGGAGTCAT CATGTGCCTT
GACTCGGGGC CTGGCCCCC CATCTCTGTC TTGCAGGACA GAAGACAGAT ACATCCCACC ATGATCAGGA
TCACCCAACC TTCAACAAGA TCACCCCAA CCTGGCTGAG TTCGCCTTCA GCCTATACCG CCAGCTGGCA
CACCAGTCCA ACAGCACCAA TATCTTCTT TCCCCAGTGA GCATCGCTAC AGCCTTTGCA ATGCTCTCCC
TGGGGACCAA GGCTGACACT CACGATGAAA TCCTGGAGGG CCTGAATTC AACCTCAGG AGATTCGGA
GGCTCAGATC CATGAAGGCT TCCAGGAAC CCTCCGTACC CTCAACCAGC CAGACAGCCA GCTCCAGCTG
ACCACCGCA ATGGCCTGTT CCTCAGCGAG GGCTGAAGC TAGTGGATAA GTTTTTGGAG GATGTTAAAA
AGTTGTACCA CTCAGAAGCC TCACTGTCA ACTTCGGGGA CACCGAAGAG GCCAAGAAAC AGATCAACGA
TTACGTGGAG AAGGGTACTC AAGGGAAAAT TGTGGATTTG GTCAAGGAGC TTGACAGAGA CACAGTTTTT
GCTCTGGTGA ATTACATCTT CTTTAAAGGT AAGGTTGCTC AACCAGCCTG AGCTGTTCCT ATAGAAACAA
GCAAAAATAT

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



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