

Product datasheet for **KN405146**

Somatostatin Receptor 2 (SSTR2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 linear donor
Donor DNA:	EF1a-GFP-P2A-Puro
Symbol:	Somatostatin Receptor 2
Locus ID:	6752
Components:	KN405146G1 , Somatostatin Receptor 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN405146G2 , Somatostatin Receptor 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN405146D , Linear donor DNA containing LoxP-EF1A-tGFP-P2A-Puro-LoxP: The sequence below is cassette sequence only. The linear donor DNA also contains proprietary target sequence.

LoxP-EF1A-tGFP-P2A-Puro-LoxP (2739 bp)

ATAACTTCGT ATAATGTATG CTATACGAAG TTATCGTGAG GCTCCGGTGC CCGTCAGTGG GCAGAGCGCA
CATCGCCAC AGTCCCAG AAGTTGGGG GAGGGTCCG CAATTGAACC GGTGCCTAGA GAAGGTGGCG
CGGGTAAAC TGGAAAGTG ATGTCGTGTA CTGGCTCCG CTTTTCCCG AGGGTGGGG AGAACCCTAT
ATAAGTGAC TAGTCGCCG GAACGTTCT TTTCCGAAC GGTTCGCCG CAGAACACAG GTAAGTGCCG
TGTGTGGTTC CCGCGGCCCT GGCCTCTTA CGGGTTATGG CCCTTGCGTG CCTTGAATA CTCCACCTG
GCTGCAGTAC GTGATTCTG ATCCCAGCT TCGGGTGGGA AGTGGGTGGG AGAGTCCGAG GCCTTGCCT
TAAGGAGCCC TTCGCCTCG TGCTTGAGTT GAGGCCTGCG CTGGGCCTG GGGCCGCCG GTGCGAATCT
GGTGGACCT TCGCGCTGT CTCGCTGCT TCGATAAGTC TCTAGCCATT TAAAATTTTT GATGACCTGC
TGCGACGCT TTTTCTGCG AAGATAGTCT TGTAATGCG GGCCAAGATC TGCACACTGG TATTTGCGTT
TTTGGGGCG CGGGCGGCGA CGGGGCCCGT GCGTCCAGC GCACATGTT GCGGAGGCG GGCCTGCGAG
CGCGGCCACC GAGAATCGGA CGGGGTAGT CTCAAGCTGG CCGCCTGCT CTGGTGCTG CCCTCGCGCC
GCCGTGTATC GCCCCGCCCT GGGCGGCAAG GCTGGCCCG TCGGCACCAG TTGCGTGAGC GGAAAGATGG
CCGCTTCCG GCCCTGCTG AGGGAGCTCA AAATGGAGGA CGCGGCCTC GGGAGAGCG GCGGGTGA
CACCCACACA AAGGAAAAG GCCTTCCG CCTCAGCGT CGTTCATGT GACTCCACGG AGTACCGGG
GCCGTCCAG CACTCGATT AGTTCTCGAG CTTTTGAGT ACGTCTGCT TAGGTTGGGG GGAGGGGTTT
TATGCGATGG AGTTCCCA CACTGAGTGG GTGGAGACTG AAGTTAGGCC AGCTTGGCAC TTGATGTAAT
TCTCCTTGA ATTTGCCCT TTTGAGTTG GATCTTGTT CATTCTCAAG CCTCAGACAG TGGTTCAAAG
TTTTTCTT CCATTTCAAG TGTCGTGAAT GGAGAGCGAC GAGAGCGGCC TGCCC GCCAT GGAGATCGAG
TGCCGCATCA CCGGCACCCT GAACGGCGTG GAGTTCGAGC TGGTGGGCG CGGAGAGGG ACCCCGAGC
AGGGCCGCAT GACCAACAAG ATGAAGAGCA CCAAAGGCG CCTGACCTT ACCTTACC TGCTGAGCCA
CGTGATGGG TACGGCTTCT ACCACTTCG CACTACCC AGCGGTACG AGAACCCCTT CCTGCACGCC
ATCAACAAC GCGGCTACAC CAACACCCG ATCGAAGT ACGAGGACG CGCGTGTCT CACGTGAGCT
TCAGTACCG CTACGAGGC GGGCCGCTGA TCGGCAGACT CAAGGTGATG GGCACCGCT TCCCCGAGGA
CAGCGTGATC TTCACCGACA AGATCATCC CAGCAACGCC ACCGTGGAGC ACCTGCACCC CATGGCGAT



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AACGATCTGG ATGGCAGCTT CACCCGCACC TTCAGCCTGC GCGACGGCGG CTACTIONACAGC TCCGTGGTGG
ACAGCCACAT GCACTTCAAG AGCGCCATCC ACCCCAGCAT CCTGCAGAAC GGGGGCCCA TGTTGCCTT
CCGCCGCGTG GAGGAGGATC ACAGCAACAC CGAGCTGGGC ATCGTGGAGT ACCAGCACGC CTTCAAGACC
CCGGATGCAG ATGCCGGTGA AGAAAGAGGA AGCGGAGCTA CTACTIONCAG CCTGCTGAAG CAGGCTGGAG
ACGTGGAGGA GAACCTGGA CCTATGACCG AGTACAAGCC CACGGTGCGC CTCGCCACCC GCGACGACGT
CCCCAGGGCC GTACGCACCC TCGCCGCCG GTTCGCCGAC TACCCCGCA CGCGCCACAC CGTCGATCCG
GACCGCCACA TCGAGCGGGT CACCGAGCTG CAAGAACTCT TCCTCAGCGG CGTCGGGCTC GACATCGGCA
AGGTGTGGGT CGCGGACGAC GCGCGCCGG TGGCGGTCTG GACCAGCCG GAGAGCGTGG AAGCGGGGGC
GGTGTTCGCC GAGATCGGCC CGCGCATGGC CGAGTTGAGC GGTTCGCGG TGGCCGCGCA GCAACAGATG
GAAGGCCCTC TGGCGCCGA CCGGCCAAG GAGCCCGCT GTTCCTGGC CACCGTCGGC GTCTCGCCG
ACCACCAGG CAAGGTCTG GGCAGCGCG TCGTCTCCC CGAGTTGGAG GCGGCCGAGC GCGCCGGGT
GCCCGCTTCT CTGGAGACCT CCGCGCCCG CAACCTCCC TTCTACGAGC GGCTCGGCTT CACCGTCACC
GCCGACGTG AGGTGCCGA AGGACCGCG ACCTGGTGA TGACCCGCA GCCCGGTGCC TGAAACTTGT
TTATTGCAGC TTATAATGGT TACAAAATA GCAATAGCAT CACAAATTC ACAAAATAAG CATTHTTTTCT
ACTGCATTCT AGTTGTGGTT TGTCAAACCT CATCAATGA TCTTAAATAAC TTCGTATAAT GTATGCTATA CGAAGTTAT
    
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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_001050](#)

UniProt ID:

[P30874](#)

Summary:

Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. [provided by RefSeq, Jul 2008]

Product images:

