

Product datasheet for **KN205527**

SHCBP1 Human Gene Knockout Kit (CRISPR)

Product data:

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|---------------|---|
| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control |
| Donor DNA: | GFP-puro |
| Symbol: | SHCBP1 |
| Locus ID: | 79801 |
| Components: | <p>KN205527G1, SHCBP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAAATTTGAAATGGCTGAC</p> <p>KN205527G2, SHCBP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATGGCTGACGGGTCGCTGAC</p> <p>KN205527D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <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</p> <pre> TGTTAGCCAT TATGATGGAG ATTATAGTTG TCTTTGATTA ATGCAAATTA ACAAATTTAC TTAATAAAT TAATTTGACA TTCTTTGAAA ATATGCTCTC TCTCTCTCTC TCTCTCTCTG TGTGTGTGTG TGTGTGTGTG TGTGTATTGA AAGACAGAGA GAGACTGGTG TTTGGTGGTG AAAGTTTTGG GCCACGCTAG GCCAGCATCC TTTTCAGTTG AAGTTGTGCT TGTGGGAGGT GAAATGACTT GCCCAAGGCA ATACCACTAG GAATAGCCCA GGTAAGTTA AATACTATGT TTTTGGACTC TCAACCCAGT GACTTTTCCA CTATATCTCA TTTCCAGGCA TTGCTGGTTC GTTTTTTTCG AAAATCATTC CAAATTATAT TCCAATTCGA CTTTCTTCAA GTTCATCCCA GAAAAGCAA GGCCGGGCAC TTGAACAAGA ACAGCTGTCA GCCTGGGGCG AGGGGGCAGT GTTGGTGGGG GCTGGAGCGG GGCCGGACTC TAATTGGTCC ACGGCCTCGG CCCGACTATC AAATCAGCAG AGCCTGCGTC ATCACGTCGT TGCCTGGGCT GCCGTCCGCG GAAATTTGAA GGCGCCGGAG CGCATGGGCT GGGCGGTGGA GCAGGAGCTG GCGTCTCTGG AGAAAGGTGA GCTCTCCATG CCGGGGCCGA GGAGCCGCT CTGAGCGGAG GCCTGGGGCG TCGGGACCCT AGGAGGGCGC CTGGGTCGCG GGCTTCCG ACCCGTCTGT CCAGGGTGGC GGGAACGGCG GTGCGCGGCC GGGACCCAGT GACGGGACCT CAAAGTCGGG CGGTACCCAG GGTGGGGGA CTCCCTCTCT TCCCTATCCG CATCTCCAC TCTCCCTGCA CTCTCTGCCC TCCGCCGCC CCGAGGTTGG AGGGAGCTGG ATTGGGCCAG GAATCCCTA TCTGGATGGG TTTTGGCGGA ACTGTGCATT TACTGTTGCT CAAGGGGCCA TTTTTCATC TGCATCTCAA AGGAGATCAC GAACCACT TCCCTTTTCC GAAGAAGAGA AAAGCTTGAA CCCTTGGCTT AGATGGCTGT CCTGTGCACG GAGGGTAGTG ACGTGTCCAA AGTGAGGAGC GCCAACTTGG GCCGGAGTCC AGAAATAGAA CCGGGGTCTT CTAGTTCTCT GCCCTTCTT CCTCCTCATA GAGTTTCATT </pre> <p>GE100003, scramble sequence in pCas-Guide vector</p> |



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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_001324318](#), [NM_001324319](#), [NM_024745](#), [NR_136738](#)

UniProt ID:

[Q8NEM2](#)

Synonyms:

PAL

Summary:

May play a role in signaling pathways governing cellular proliferation, cell growth and differentiation. May be a component of a novel signaling pathway downstream of Shc. Acts as a positive regulator of FGF signaling in neural progenitor cells.[UniProtKB/Swiss-Prot Function]

Product images:
