

Product datasheet for **KN203215BN**

STK25 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	STK25
Locus ID:	10494
Components:	<p>KN203215G1, STK25 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN203215G2, STK25 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN203215BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. Homologous arm and mBFP-Neo sequences: pUC vector backbone in gray; Left arm sequence in blue ; mBFP-Neo in green ; Right arm in violet</p> <pre> GAGCCGTGCG CGGGCCGCGA CGCCGAGCAC CGCCCTCGCC GTCGCCTCCG GGCTTTCTCC GGTGCTGCGC GCCACCACCG TTGCTTCGCG GGCTGGGAGG CCGGGGTCC CCGGGCGAAC AGAGGCTGCG GGTGGGAGCC TTCGCGGGCG CTGCAGAGCG GGCCGGGGGA GGCCGGGATG GAGCCCGCG GAGGTGGGCG CGTGCCGGG CGGGGCGCTT GCGGCGATTG GGGAGGGGGC AGAGGGAGGG GCCCGGGGCG GGGCTCGGTG GCGGGGACAC CGGGGCGGGG GCACCGGGAG GAAGCTGCCT TGAAGAGGT GGGGGCGGCG ACGGGAGGGG CGGCGAGCCC CCGGGAGCCT GGGCGTTAGG CCCGGGCGTG GCGGGGCCCC GCGGCGCTGG GGGGTCTCCT GGGCCCCCCC CCACCCATGG AGCCCGCCG CCCGGAGGTC GGTCTCAGAT GACTGAACTG GGCACCGAGC GCCCCTGGTG TCCCTCGCAG TGGACTGACG CCGCAGGGGC GAGCTAGCCG GCTCCGCGCC TCTCCGCGGG ATCCAGACGC CTCCTGGGGC TGCTGGCGGA GGGTCTGAGG CGGCGCGGCC GGCTCTGCCG TGTGCCTGTG GCGTTTTGCG TGGCAGAAGC TCGCAGGCCT CTAGAAACCG AGCCCCTGGT GGCTCCGCT GTGCGAGGGC GGTGGAGGTG CGTGAAGAGA CACCGGCGCA GGGACGGGGC GTCGCCCA GCGCGGGGCG GGAACCTCAT GTCAGCATCC GAAGGCAGTG GAAGGTCGGG GGCACCCCTG CGGCCTCGGC CTGGGCGGCG GGTATTCTG GCCGTGTTGG GCTGGGCAGG GGCTGTAGGG GAGACCCTGG CCGGCGCTGA GGGGCTGAGA TTGTGGAGAA GCAGATCTGA GTGGCCGGTG TGCAGGGAAA GCAGAGAACA CGTGTGTGCT TTGGCCAGG GGAGGGTAA AAGGCTGCTC TGCAGGACC GTTAAACCC TGCAGCGGGC GGTTGCCGA ACATGAGACT CATCTTCTT CTTTAAAGAA GTCGTTTCCA CTATGGAGCC ACCTTAAAGC GTCTGGTGGG ACAGCCTCGG AGGGAGCCAC TACGGCGAGC CCTTAGCCTG GAATGAGGAC CAGCTGCTGG TGCCAAAGGG CTTGCCGGGG AAGGAGGGTG GGGTCAGCCA ACCTGGGGCC </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_001271977](#), [NM_001271978](#), [NM_001271979](#), [NM_001271980](#), [NM_001282305](#), [NM_001282306](#), [NM_001282307](#), [NM_001282308](#), [NM_006374](#), [NR_073530](#), [NR_073531](#), [NR_073532](#), [NR_073533](#)

UniProt ID: [O00506](#)

Synonyms: SOK1; YSK1

Summary: This gene encodes a member of the germinal centre kinase III (GCK III) subfamily of the sterile 20 superfamily of kinases. The encoded enzyme plays a role in serine-threonine liver kinase B1 (LKB1) signaling pathway to regulate neuronal polarization and morphology of the Golgi apparatus. The protein is translocated from the Golgi apparatus to the nucleus in response to chemical anoxia and plays a role in regulation of cell death. A pseudogene associated with this gene is located on chromosome 18. Multiple alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]

Product images:

