

Product datasheet for **KN202538**

USP30 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:	USP30
Locus ID:	84749
Components:	<p>KN202538G1, USP30 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTC CGCAGGAAGCGCTGGA</p> <p>KN202538G2, USP30 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCGATGACCGCGGCCGACA</p> <p>KN202538D, 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>TACCTGGCAC CCAAGTAAAC AATAAGTTG TTGGCTATTA AAGACGTTGA TTTCTCTACT GATATCGTCA GAGATGGGCC TCATGCTCAT TAAAGTTCCT TCCTCTGCGA CCTATTCCA CTCTGGCCAC AATAATAACT AATTATAGCA GAGGCCTGAC CCGACTTTCG GCTGTTGGCC TCCCTTCCC ACATCGAAAA ATTCAAATCA TGACCCAGGG TCCATCCTAG AAGTGTGCCA TCTGTATTTA TGAATGGAGC CTAAGCAAAT CTGAAAACCA AGCAGCCCCA GGCAACTGAG CCCAGCGTAG CAACCGACGC CGGGGCCTGT TGCTAAGGGA AAAGAAAGAA AGGACGTGGT CCGTCAGCTA TTGCTCTCCG GGGGCAGCTA CTTCGGTCC CCCTGGGAGC TGTCTGCGG TCTACGTTCC CCCGAGGTGC TGGGACTGCG GCCGAGGTT CCGCTGTCTC GGAACCGTC GTATCCCTCG GTCCGGCGGC GCGGCGGCG GTAGCGGAGG AGACGGTTTC AGGCCTCCG TGCGGCTGCA AAGAGGCCGG GACCAGGGTC CCCAGCTTGG GCCCGTGACG GCTTTTTTCAT GCCCTAGTTG GGGTCTCCAG GGCCCGCGCG GGCATTCTGG AAGGTTCTGC GTCCTTTAGG GTTGGAGGCC TGGGCCGTA GGTGGGAGGA CTGACGGGCT CCAGTCTTC GGCAACACCA ATTCTGTCTG CACTCCCAG GTCTGTCAGT CCCTCCCCT CCTGTCATTG TTCCAGGAC ACCGGGGCA CTCAGTCTT GTCAAGGCC CTAATTCTGT CAGTGCCTC AGTCCCTTCA GTGCTCCTA GGCCTGCCAA GACCCCTCAA TCCTTCTAGT ATACCCAGC TCCTTCTGGG TCCCCAATC ATATCAGTT CTGGACTGCC AGGTTTCCC AACCTTGGA CGGTTCTCT AGTCCTATAA GTGCCCGGG CCTGCGAGCC CCGGTTTTG TTAGTACCG CCCCTATTCC TGTTAGCCG CCCTCTAGTC TAATATGGAT CGCCACTTCT GTCTGGTCC CTGATGTTGT TAGTGTGAGT AAAGGCCCTT</pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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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_001301175](#), [NM_032663](#)

UniProt ID:

[Q70CQ3](#)

Summary:

USP30, a member of the ubiquitin-specific protease family (see USP1, MIM 603478), is a novel mitochondrial deubiquitinating (DUB) enzyme (Nakamura and Hirose, 2008 [PubMed 18287522]).[supplied by OMIM, Dec 2008]

Product images:
