

Product datasheet for **KN203124**

ERCC8 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:	ERCC8
Locus ID:	1161
Components:	<p>KN203124G1, ERCC8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTCCGCACGCCAAACGGGTT</p> <p>KN203124G2, ERCC8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAGAGCAGAGTCAACACGG</p> <p>KN203124D, 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> GGACCGCGGA CGCACGAGGC CGGGCCAAGG CGCCCAGAGC CGGGCCGGGT AGGGCTCCGA TGCCAGAGTG AAGGGGTCGA CAGGGGAGAA CGAACTCGGG AAATTCTCTC CGGTGACACC CTAAGTGTCG CATGATGCGT TAGTTGACTA GGGGCTCTCA CTTTTCCCTC CTTTACTGAC CTCGCAATCA CTGACCACGC AATCGCTGCC CACGCCGCA CCTCACCTCT CCAGTTCTTG TACTGCGGGA TGTAGTAGTA TTTGTTCCCG AATTGGTCCG TGCCACGTCG CTCCTTCACT TCCCTTGACA GCGATCTCCA CAAGGCGCGG AACAAATCCT GAGACCAACC CATGCCGTCC ACCCAGTTTC CAGCGTGCC AGCAGCGGGA CCCGCAGTAG GGGTAATGCT CCAGCCGCCG ACCCAGCCCA CCGAGGCGGA GAAGTCAGGT CGGCCTCCAT CCTGGAGCCC TTCTAGTAAC GGCCTCACC ATTGGCCGGA TATATACCG ACTGACCAAT GGGAGACTCT GCTGTTCCAG TCCC GCCCT GAGCTCTGTC ATGGCGACGT CCAGTGCTCC AGCCGGTGTG AGGACACGAT AGGTAAAGAA AACCTTACTT TTTGGCTAAC AGGCCAGTTA GAATCTGGAC CAATGACTGT AAGCTTTGCC CCACACTTTC CCGTCTCATC GCTCTCCTGC CACAAACTA TTATTTGCC TCTAATGCTG TGTGGCTTGC TAAAATAGGA TCCCTTTTAT TTAAGTTAA CAACTTGAG GCGGGGGCG GCGGGGGTGG GGGGGTTC CCGGGGTGG GGGGGGGT CCCCCGCGG CTCAGGTGAA GACTATAA ACCTAAATA GAATACTCG TTGACTGTA TTCCTTCTCT CTTAAGTTAC TCCAAAGAAT AACTGCCCTC CACGGACTCG TTCATTCATT CAGTCTGCAT ATTTAGTGAA TTCCTACAGT GTGCCAGGCA GCCTATTAAG GGCAGAGGAC ACAGGCCAGG AATTGAACAA AGTTCAGAA GACTAGAGCG GAGAATTGGG GTAGGGACCA TTGACAAGAG ATGAAGTAGA CAGAACTAG ATGAGGAAGA GCCTTGTTGA CTTGAGTAGA GGTGTGAAGA TGAGAATAAG GTAACAGCTA TTGCATTTTG TTTTCTGCTT GGAGAATGGG TTGCAACTGA </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_000082](#), [NM_001007233](#), [NM_001007234](#), [NM_001290285](#)

UniProt ID: [Q13216](#)

Synonyms: KKN1; CSA; UVSS2

Summary: This gene encodes a WD repeat protein, which interacts with Cockayne syndrome type B (CSB) protein and with p44 protein, a subunit of the RNA polymerase II transcription factor IIH. Mutations in this gene have been identified in patients with hereditary disease Cockayne syndrome (CS). CS cells are abnormally sensitive to ultraviolet radiation and are defective in the repair of transcriptionally active genes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2014]

Product images:

