

Product datasheet for **KN202665**

UFM1 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:	UFM1
Locus ID:	51569
Components:	<p>KN202665G1, UFM1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTTCGACCTGAGGAAAAGAG</p> <p>KN202665G2, UFM1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAAAGAGCGGGAGAGAGTCA</p> <p>KN202665D, 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> GAGAACTAT GAGAAATGTA AAGGATATA CAGGATTGGT TTGCTGGAAA GACGGAAGAA AACTAATGAT AAAGCAGTGT TACAATTCCT GCTTCTGGAG CACCAATTA GCTTTTCCGC GCTCAGGTTG CCTTAGAAAC TTTAGAGCGC GTCGCCCCA GCCCGCCCC CGGCCTCGCC CCGAGCTTCG CCCAAGTCC ATCTCGCTCT TCATCCGACT ACCCCATACC CTTACTCCG CCCAACCTG CCAACTGGAA CCTAGGGTCC TACGCTCTAT GCCACGCTT ATTCTGCCTG ACTAAAAATA TGGTAGCAA TTACCAAAGT TAGAAAGATA TCTTATAAT ATAATCCATA CTTTTTCTT AGATATATA ACGCAAAAGC ACAAGATATT TGTAATTTAA AAGCGCCATC TAGCATGAGC TCTTAGGGCC AATTTTCAGG CAGTGCCTT GATAGCAACA ACTTCGAGG TCCCCAGATT GCAGAGGGAG ACGTGGACGT GAGTGGAGCG GGGCGGTCCC CAGCACACTA GAGGAAGTCG TGCTACCCCC GCGGAGTTGT CGTGTGTTCT GGATTCATTC CGGCACCACC ACGCTGACGT CGGACCCACG GCTGCCGTAC AAAGTGTGAG TAGCTCGGCC GAGATGGGCC TTTTGGGGCC GGACAAGACG GGGCTGGGT GGGGATGATC CGAGCTTTTC CAACAACACT CCCACGCAGT CTTTCATCTCT TCACTTCATC TACTTTCCTG GCTCGCGCCC TTCAGGAGC CTTTCCCACC GGAGCCTGCG AGGAGAGGTC CGTACTTGCT CGTAAGTGT CAGCTTGGCA GCTTGGCCCC GTCACGAGGG TGTGGGTGTG TTTCTGATTA GTGACCTCCC CTCGGAATTC ATTTGGTGGG CAGGTGGCGC GGGAGGACAG GTGGACCAGG TTCTGTAAT TTGTTGGGAT TCTTAAACAG TCCCCATCTG CTGGATATTA GAAAAGCGTT TCACCGCTTT GGCCAGCTGG TTGAGGAAGT TAAGGAAGAC ATTCCATCTT GATAGTCAAG ACTTTGAAAT TACTTGAACA TTTGTTATTC CGCGGCTTCT GAGTTTCGTT GTGTATGAGT AACTCAGCAG TCGGGCATCA CAAAGTAATG AGACTCAGAT CACACCCTTC CTATGCTGGG ATTTAATAGA GTATTTGGTA </pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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RefSeq: [NM_001286703](#), [NM_001286704](#), [NM_001286705](#), [NM_001286706](#), [NM_016617](#), [NR_104584](#), [NR_104585](#)

UniProt ID: [P61960](#)

Synonyms: BM-002; C13orf20

Summary: UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5 (UBE1DC1; MIM 610552) and E2-like conjugating enzyme UFC1 (MIM 610554) in a manner analogous to ubiquitylation (see UBE2M; MIM 603173) (Komatsu et al., 2004 [PubMed 15071506]).[supplied by OMIM, Dec 2008]

Product images:

