

Product datasheet for **KN201397**

Grp75 (HSPA9) 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:	Grp75
Locus ID:	3313
Components:	<p>KN201397G1, Grp75 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTCCCCAGTTCCTCACCTGG</p> <p>KN201397G2, Grp75 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATTCTCCAGTATAGGTCAGG</p> <p>KN201397D, 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> ACGTCCACGC CCGGGGGGTG TGCACGCGCC CGGGCTCGCC CCAGGGAACG CTGGCGTGCA CTCGGGCACC CAGTGAGCGC CGCAGTTAGT CTCCACCCAT GTTTTCCGCC ACTCCTTGCG CACATGCGCT CTAGGTTCTT AGCTGGATGT CTGTTGCGCC AACAGGCTCC TCCTCCCGCG CAACTGACGC AAGAAGACTG TAATCGGTTT GCAATTTATC CCGTGTGACC TTGAGTCTTT CCTGTGCGCG AGGACCGGGG CTGTCCGAGA TACGGCCTTC ATATCCCTCT TCCTCCCTG GACTCTTTCT GAGCTCAGAG CCGCCGCAGC CGGGACAGGA GGGCAGGCTT TCTCCAACCA TCATGCTGCG GAGCATATTA CCTGTACGCC CTGGCTCCGG GAGCGGCAGT CGAGTATCCT CTGGTCAGGC GGCCGGGGCG GCGCCTCAGC GGAAGAGCGG GCCTCTGGGC CGCAGTGACC AACCCCGGCC CCTCACCCCA CGTGTTGGA GGTTCAGAG AGCGCTGCC CCACCGCATC GCGCAGCTCT TTGCCGTCGG AGCGCTTGTT TGCTGCCTCG TACTCCTCCA TTTATCCGCC CTTCCATAGT TAGCGCTGCC GGGTCAAGAT TTTGCCCAAG GTTTTGCCTC CGGCTTGGGC CCTGCTGAGT CACACCCTC GCGATCTAGA GTGTCATTTT AAAATTACCA GGTAGTGGTC CTCATGGCCT GTTCTGTGGC TGAATGGAAA GGTGGGCTT TGGGGGTGAG GGATGCAGTC TATTGGGAAA GCCACTATTT TCAGTTTTAT TTTTGGCTCC TCTACAGAA ACAGAGTGTG TAAGGATCCC GTTGATACGG TGAATAAAA TAAGAAAGCT CTGAGTCGGA ACTCCAGTTT TCGTGCTTAG CAACATTTTC TCAAATCTG TGGTGAAGA TTGACTCGT TTGTTACTTC AGAAAAAAA GCAGATCGTG GGGCGGAGAA AAGGCTATGG AGTGTTACT TGTTCCTAA AATAAAAGAC AAATGCTTTA GAGAACAGGA ATTGTATGTG GGCATTAAGG AAGGCTTGGG AGGAGCCTGA GGTAAAGTTG TAATAAAGT CTTTTATCCT AGTGAAACGC CACTACTTTT CTTTTTCTT TCAAAGACCC TTAGTAACTC TAGTCTTTT AAACTAATTG CACGGCAAGG </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_004134](#)

UniProt ID: [P38646](#)

Synonyms: CSA; GRP-75; GRP75; HEL-S-124m; HSPA9B; MOT; MOT2; MTHSP75; PBP74

Summary: This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.[provided by RefSeq, May 2010]

Product images:

