

Product datasheet for **KN212925**

OGR1 (GPR68) Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control |
| Donor DNA: | GFP-puro |
| Symbol: | OGR1 |
| Locus ID: | 8111 |
| Components: | <p>KN212925G1, OGR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTGGTCTATGTTACCGTGC</p> <p>KN212925G2, OGR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTCGATGGTACAGCTCATCG</p> <p>KN212925D, 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> CCAGCTAATT TTTGTATTTT TAGTAGAGAC AGGGTTTTGC CATGTTGGCC AGGATGGTCT CGAACTCCTG ACCTCAAGTG ATCTGCCAC CTTGGCCTCC CAAAGTGCTG GGAATACAGG TGTGAGCCAC CTCGCCTGGG GCTCCCATTC AGATCTATTC TTCTTGTTAT TTATTTATTT ATTTATTTAT TTATTTATTT ATTTATTTAT TTATAGAGAC AAGGGCTTGC CATGTTACCC AGGCTGGTCT TGAACCTTG AGCTCGAGCG ATCCCCACCT CCCAAAGTGC TGGGCTTACA GGTGTAAGCC ATCATGTCCA GCCGTTTACA TATTCTAGTT GAATTGGAGT TGGTGGGCTA GTACACCTC TAAATTAAT GAGTAAAGGA TTTAGAATGG TGCCTGACAC ACAGTAGGTG CTACATTCAT GTTAGCTACT ATTATAAACC TTTCTGCCT CTGACTTTCA GGGTCTTGCC CACCACCAGC GATGCCCAGC CTTGGTAGA GCTTGAACCA CTTCTATAA ACAGGATGGC GGTGGAGAGA CAGGCCAGT CCCTGAGCCC ATGAGGAGTG TGGCCCTTC AGGCCAAAG TGGTGGTGGG CTTCCCGGCC AACTGCCTGT CCCTCTACTT CGGCTACCTG CAGATCAAG CCCGGAACGA GCTGGGCGTG TACCTGTGCA ACCTGACGGT GGCCGACCTC TTCTACATCT GCTCGCTGCC CTTCTGGCTG CAGTACGTGC TGCAGCACGA CAACTGGTCT CACGGCGACC TGTCTGCCA GGTGTGCGGC ATCCTCCTGT ACGAGAACAT CTACATCAGC GTGGGCTTCC TCTGCTGCAT CTCGTGGAC CGTACCTGG CTGTGGCCA TCCCTCCGC TTCCACCAGT TCCGGACCCT GAAGGCGGCC GTCGGCGTCA GGTGGTGCAT CTGGGCCAAG GAGCTGCTGA CCAGCATCTA CTTCTGATG CACGAGGAGG TCATCGAGGA CGAGAACCAG CACCGCGTGT GCTTTGAGCA CTACCCATC CAGGCATGGC AGCGCGCCAT CAACTACTAC CGCTTCTGG TGGGCTTCT CTTCCCATC TGCCTGCTGC TGGCGTCTA CCAGGCATC CTGCGCGCG TGCGCCGAG CCACGGCACC CAGAAGAGCC GCAAGGACCA GATCCAGCGG CTGGTGCTCA </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_001177676](#), [NM_003485](#), [NM_001348437](#)

UniProt ID: [Q15743](#)

Synonyms: GPR12A; OGR1

Summary: The protein encoded by this gene is a G protein-coupled receptor for sphingosylphosphorylcholine. The encoded protein is a proton-sensing receptor, inactive at pH 7.8 but active at pH 6.8. Mutations in this gene are a cause of amelogenesis imperfecta. [provided by RefSeq, Feb 2017]

Product images:

