

Product datasheet for **KN219792**

Filaggrin (FLG) 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:	Filaggrin
Locus ID:	2312
Components:	<p>KN219792G1, Filaggrin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAATTTTCGGCAAATCCTGA</p> <p>KN219792G2, Filaggrin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAAAGAGCTGAAGGAACTTC</p> <p>KN219792D, 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> CCAGTCAGAA AACCTTTCT CTTTAAATAT TGAAGAGCTA TTAATCCAT CCTATACAAT GAAATATTAT AACTTCATG AAATGTTTAA AAAACAAATA AAAAATTGAA TGAAC TTCA TTAGATATCT TGTCATATGG CTAACTGGCT TTCAGAGAAT TGTGTCTTAG CAAATTAATC ATTTATTAAG TTAGCTTTTG GGAAGTAAT TTTCAGTAAA TTTGTATAAG TAAATTTTAC TGCTTAAAC CAGTCAGCCT TTCTAAATTC TTGTTGCTAG CAATGGCAAG ATCAGCAAGA GGGATGATCT TACCTAGAGC AACTGAGGT CTGTGAGACT ACTAAGTCCA GCTGTAAGTG GGCACAAGGC CAAAAAATGG GCAATTTTAT TTAAGTCAGG AAAACTCTAT TCATTTGTTT TATGTAGATG GTAGAGAAAA GTTCTCATG TCCATCTTCC ATTCTTAAAG ATGGATTACT TAGAGGAAAA TGTAGGTTTA AAATGTGGAA AATGATTGTA ATAATATAAC CTAGAAAAAA AGATGTATAA AAAAGTGCAT TTTCATTCT TCTTCTAGG TTCACATTTA TTGCCAAAAG AGGTAAGAGT CTCTGACAAG ACCAAAGATA GAGCATTGT TTTTCTCATC AATAATCTAA GCAAGGGTTA TTTTGAGCTC TTTGTGAACT ATTTCTCTTA AAATAGGAAA AGAGTTAATC TTGTCTCAA AGAGATAGAT TTTATTTTCT TCCCCTATAC CTGGATGTAT ATTATAACA TAAAGACACC CTCAGAGAAA AAAATATAAA TATTTAAAAA TTAATGTAAA TTAGTTCTTA GTATTTTGGT ATTTATAATA TTCTCCAAA CATCAACATT ACTAAGGGGA TTTTGTAA AGACAATAA GTAATGAATT ATATACACTT CTGACTTTTA AAATAAGAAA AAGAGTCACT TACCCATCA AATCTTGATA CCTTACTAGT CTACATCTTT GTTCACATAT AACACCTGAA TGAGGATGAG AAAAAAAGT CTAAAAAAA AAAAAGATTT TGTCCTACTT TTTAATACTC AAAGATCAGG TTCCTTAAAT TAACTTTGAA TTAATTGGCT GATAATGTGA TTCTGTCTGA TGCAGTCTCC CTCTGTGACT TCCCTCTGTA CAGAATCCAG ATGACCAGA TATGGTTGAT </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_002016](#)

UniProt ID: [P20930](#)

Synonyms: ATOD2

Summary: The protein encoded by this gene is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polyprotein precursor, profilaggrin (consisting of multiple filaggrin units of 324 aa each), which is localized in keratohyalin granules, and is subsequently proteolytically processed into individual functional filaggrin molecules. Mutations in this gene are associated with ichthyosis vulgaris.[provided by RefSeq, Dec 2009]

Product images:

