

Product datasheet for **KN202741**

TGF alpha (TGFA) 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:	TGF alpha
Locus ID:	7039
Components:	<p>KN202741G1, TGF alpha gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGCGAGCTGTCCAGCCGAG</p> <p>KN202741G2, TGF alpha gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTACGTACCCAGAGCGAACA</p> <p>KN202741D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</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**

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CGCCAACACC CGCTGACGCG CCCTGACGGG CTTGTCTGCT CCCGGCATCC GCTTACAGAC AAGCTGTGAC
CGTCTCCGGG AGCTGCATGT GTCAGAGGTT TTCACCGTCA TCACCGAAAC GCGCGAGGCA GCTGCGGTAA
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TGTGCGGTAT TTCACACCGC ATATGGTGCA CTCTCAGTAC AATCTGCTCT GATGCCGCAT AGTAAAGCCA
GTATACACTC CGCTATCGCT ACGTGACTGG GTCATGGCTG CGCCCCGACA CC

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GE100003, scramble sequence in pCas-Guide vector

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_001099691](#), [NM_001308158](#), [NM_001308159](#), [NM_003236](#)

UniProt ID: [P01135](#)

Synonyms: TFGA

Summary: This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Product images:

