

Product datasheet for KN313036

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Pdgfra Mouse 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: Pdgfra Locus ID: 18595

Components: KN313036G1, Pdgfra gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target

Sequence: TGAGGACCAGAAAGACCTGG

KN313036G2, Pdgfra gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target

Sequence: TGTGTGGATACATACCTGTG

KN313036D, donor DNA containing left and right homologous arms and GFP-puro functional

cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001083316</u>, <u>NM 011058</u>, <u>NR 144636</u>

UniProt ID: P26618

Synonyms: Al115593; CD140a; Pdgfr-2

Summary: This gene encodes a member of the receptor tyrosine kinase family of proteins. Binding of

platelet-derived growth factor protein ligands to this receptor triggers receptor dimerization

and autophosphorylation, resulting in the activation of several downstream signaling pathways. Signaling through the encoded receptor plays a role in gastrulation and the development of nearly all organ systems. Mice lacking a functional copy of this gene reportedly exhibit defects in lung, skeleton, testis and the central nervous system, and die soon after birth. Alternative splicing and intronic polyadenylation of gene transcripts have

been implicated in muscle regeneration and fibrosis in adult mice. [provided by RefSeq, Jan

2017]



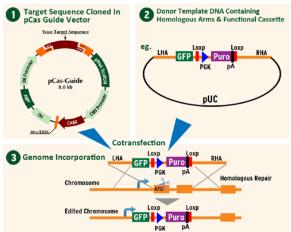
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Product images:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter