

Product datasheet for **KN213811**

Paxillin (PXN) 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: Paxillin
Locus ID: 5829
Components: **KN213811G1**, Paxillin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGGGCGCCAGCGAGCGGCA
KN213811G2, Paxillin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGGAGAGGCGCGCAGCTTG
KN213811D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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 AACACTGCGG CCAACTTACT TCTGACAACG ATCGGAGGAC CGAAGGAGCT AACCGCTTTT TTGCACAACA
 TGGGGGATCA TGTAACCTCGC CTT

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_001080855](#), [NM_001243756](#), [NM_002859](#), [NM_025157](#)

UniProt ID:

[P49023](#)

Synonyms:

FLJ16691

Summary:

This gene encodes a cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. These isoforms exhibit different expression pattern, and have different biochemical, as well as physiological properties (PMID:9054445). [provided by RefSeq, Aug 2011]

Product images:

