

Product datasheet for **KN216905**

MYO18A 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:	MYO18A
Locus ID:	399687
Components:	<p>KN216905G1, MYO18A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGACAAAGATGGCGGGCGGA</p> <p>KN216905G2, MYO18A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGATGTCAGCGGCAGAGCTT</p> <p>KN216905D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATC

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_078471](#), [NM_203318](#), [NM_001346765](#), [NM_001346766](#), [NM_001346767](#), [NM_001346768](#)

UniProt ID:

[Q92614](#)

Synonyms:

MYSPPZ; SPR210

Summary:

The protein encoded by this gene can bind GOLPH3, linking the Golgi to the cytoskeleton and influencing Golgi membrane trafficking. The encoded protein is also part of a complex that assembles lamellar actomyosin bundles and may be required for cell migration. [provided by RefSeq, Oct 2016]

Product images:

