

## Product datasheet for **KN203735RB**

### ALIX (PDCD6IP) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	ALIX
Locus ID:	10015
Components:	<p><b>KN203735G1</b>, ALIX gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN203735G2</b>, ALIX gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN203735RBD</b>, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	<u><a href="#">NM_001162429</a></u> , <u><a href="#">NM_001256192</a></u> , <u><a href="#">NM_013374</a></u> , <u><a href="#">NR_027867</a></u> , <u><a href="#">NR_027868</a></u>
UniProt ID:	<u><a href="#">Q8WUM4</a></u>
Synonyms:	AIP1; ALIX; DRIP4; HP95
Summary:	<p>This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intraluminal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. Related pseudogenes have been identified on chromosome 15. [provided by RefSeq, Jan 2012]</p>



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## Product images:

