

## Product datasheet for **KN213898**

### CrkRS (CDK12) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Symbol:	CrkRS
Locus ID:	51755
Components:	<b>KN213898G1</b> , CrkRS gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTCACCAACCCCATGTCTT <b>KN213898G2</b> , CrkRS gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGTGCCCAGGGATGCTGCTT <b>KN213898D</b> , donor DNA containing left and right homologous arms and functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_015083</a> , <a href="#">NM_016507</a>
UniProt ID:	<a href="#">Q9NYV4</a>
Synonyms:	CRK7; CRKR; CRKRS
Summary:	Cyclin-dependent kinase that phosphorylates the C-terminal domain (CTD) of the large subunit of RNA polymerase II (POLR2A), thereby acting as a key regulator of transcription elongation. Regulates the expression of genes involved in DNA repair and is required for the maintenance of genomic stability. Preferentially phosphorylates 'Ser-5' in CTD repeats that are already phosphorylated at 'Ser-7', but can also phosphorylate 'Ser-2'. Required for RNA splicing, possibly by phosphorylating SRSF1/SF2. Involved in regulation of MAP kinase activity, possibly leading to affect the response to estrogen inhibitors.[UniProtKB/Swiss-Prot Function]



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Product images:

