

Product datasheet for **KN218923RB**

Ataxin 3 (ATXN3) 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:	Ataxin 3
Locus ID:	4287
Components:	KN218923G1 , Ataxin 3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN218923G2 , Ataxin 3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN218923RBD , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. 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_001024631](#), [NM_001127696](#), [NM_001127697](#), [NM_001164774](#), [NM_001164775](#), [NM_001164776](#), [NM_001164777](#), [NM_001164778](#), [NM_001164779](#), [NM_001164780](#), [NM_001164781](#), [NM_001164782](#), [NM_004993](#), [NM_030660](#), [NR_028453](#), [NR_028454](#), [NR_028455](#), [NR_028456](#), [NR_028457](#), [NR_028458](#), [NR_028459](#), [NR_028460](#), [NR_028461](#), [NR_028462](#), [NR_028463](#), [NR_028464](#), [NR_028465](#), [NR_028466](#), [NR_028467](#), [NR_028468](#), [NR_028469](#), [NR_028470](#), [NR_031765](#)

UniProt ID: [P54252](#)

Synonyms: AT3; ATX3; JOS; MJD; MJD1; SCA3

Summary: Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene contains (CAG)*n* repeats in the coding region, and the expansion of these repeats from the normal 12-44 to 52-86 is one cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2016]



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Product images:

