

Product datasheet for **KN202391BN**

Calcipressin 1 (RCAN1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Calcipressin 1
Locus ID:	1827
Components:	KN202391G1 , Calcipressin 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN202391G2 , Calcipressin 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN202391BND , donor DNA containing left and right homologous arms and mBFP-Neo 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_001285389 , NM_001285391 , NM_001285392 , NM_001285393 , NM_001331016 , NM_004414 , NM_203417 , NM_203418
UniProt ID:	P53805
Synonyms:	ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1
Summary:	The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]



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Product images:

