

## Product datasheet for **KN220736RB**

### NPSR1 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:	NPSR1
Locus ID:	387129
Components:	<b>KN220736G1</b> , NPSR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN220736G2</b> , NPSR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN220736RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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:** [NM\\_001300933](#), [NM\\_001300934](#), [NM\\_001300935](#), [NM\\_207172](#), [NM\\_207173](#)

**UniProt ID:** [Q6W5P4](#)

**Synonyms:** ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1

**Summary:** This gene encodes a member of the vasopressin/oxytocin subfamily of G protein-coupled receptors. The encoded membrane protein acts as a receptor for neuropeptide S and affects a variety of cellular processes through its signaling. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Polymorphisms in this gene have also been associated with asthma susceptibility, panic disorders, inflammatory bowel disease, and rheumatoid arthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]



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## Product images:

