

Product datasheet for **KN206623**

Adenosine A2b Receptor (ADORA2B) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Adenosine A2b Receptor
Locus ID:	136
Components:	<p>KN206623G1, Adenosine A2b Receptor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGGTCATCGCCGCGCTTT</p> <p>KN206623G2, Adenosine A2b Receptor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GACACAGGACGCGCTGTACG</p> <p>KN206623D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 GGGGATCATG TAACTCGCCT T

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_000676](#)

UniProt ID:

[P29275](#)

Synonyms:

ADORA2

Summary:

This gene encodes an adenosine receptor that is a member of the G protein-coupled receptor superfamily. This integral membrane protein stimulates adenylate cyclase activity in the presence of adenosine. This protein also interacts with netrin-1, which is involved in axon elongation. The gene is located near the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

Product images:

