

## Product datasheet for **KN201326LP**

### APPBP1 (NAE1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	APPBP1
Locus ID:	8883
Components:	<b>KN201326G1</b> , APPBP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN201326G2</b> , APPBP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN201326LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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\\_001018159](#), [NM\\_001018160](#), [NM\\_001286500](#), [NM\\_003905](#)

**UniProt ID:** [Q13564](#)

**Synonyms:** A-116A10.1; APPBP1; HPP1; ula-1

**Summary:** The protein encoded by this gene binds to the beta-amyloid precursor protein. Beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. In addition, the encoded protein can form a heterodimer with UBE1C and bind and activate NEDD8, a ubiquitin-like protein. This protein is required for cell cycle progression through the S/M checkpoint. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]



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## Product images:

