

## Product datasheet for **KN202802**

### Serum Amyloid P (APCS) 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:** Serum Amyloid P  
**Locus ID:** 325  
**Components:** **KN202802G1**, Serum Amyloid P gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCCTTACCTGTGTGAGCAA  
**KN202802G2**, Serum Amyloid P gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCCTTTGCTCACACAGGTA  
**KN202802D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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**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\\_001639](#)

**UniProt ID:**

[P02743](#)

**Synonyms:**

HEL-S-92n; PTX2; SAP

**Summary:**

The protein encoded by this gene is a glycoprotein, belonging to the pentraxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo. [provided by RefSeq, Sep 2008]

Product images:

