

## Product datasheet for **KN201222**

### PLAUR 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:** PLAUR  
**Locus ID:** 5329  
**Components:** **KN201222G1**, PLAUR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGTCCCCGAACGCCTGCGCC  
**KN201222G2**, PLAUR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACACCTGCGTCCCAGGTAG  
**KN201222D**, 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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 TGCGCAACGT TGTGCCATT GCTACAGGCA TCGTGGTGTC ACGCTCGTCG TTTGGTATGG CTTTCATTACG  
 CTCCGGTTCC CAACGATC

**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\\_001005376](#), [NM\\_001005377](#), [NM\\_001301037](#), [NM\\_002659](#)

**UniProt ID:**

[Q03405](#)

**Synonyms:**

CD87; U-PAR; UPAR; URKR

**Summary:**

This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined. [provided by RefSeq, Jul 2008]

Product images:

