

## Product datasheet for **KN200758LP**

### Signal Peptide Peptidase (HM13) 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:	Signal Peptide Peptidase
Locus ID:	81502
Components:	<b>KN200758G1</b> , Signal Peptide Peptidase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200758G2</b> , Signal Peptide Peptidase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200758LPD</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:	<a href="#">NM_030789</a> , <a href="#">NM_178580</a> , <a href="#">NM_178581</a> , <a href="#">NM_178582</a>
UniProt ID:	<a href="#">Q8TCT9</a>
Synonyms:	H13; IMP1; IMPAS; IMPAS-1; MSTP086; PSENL3; PSL3; SPP; SPPL1
Summary:	The protein encoded by this gene, which localizes to the endoplasmic reticulum, catalyzes intramembrane proteolysis of some signal peptides after they have been cleaved from a preprotein. This activity is required to generate signal sequence-derived human lymphocyte antigen-E epitopes that are recognized by the immune system, and to process hepatitis C virus core protein. The encoded protein is an integral membrane protein with sequence motifs characteristic of the presenilin-type aspartic proteases. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]



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**Product images:**

