

## Product datasheet for **KN208556LP**

### Heparanase 1 (HPSE) 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:       | Heparanase 1   |
| Locus ID:     | 10855  |
| Components:   | <b>KN208556G1</b> , Heparanase 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN208556G2</b> , Heparanase 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN208556LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.<br><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_001098540</a> , <a href="#">NM_001166498</a> , <a href="#">NM_001199830</a> , <a href="#">NM_006665</a>   |
| UniProt ID:   | <a href="#">Q9Y251</a>   |
| Synonyms:     | HPA; HPA1; HPR1; HPSE1; HSE1   |
| Summary:      | Heparan sulfate proteoglycans are major components of the basement membrane and extracellular matrix. The protein encoded by this gene is an enzyme that cleaves heparan sulfate proteoglycans to permit cell movement through remodeling of the extracellular matrix. In addition, this cleavage can release bioactive molecules from the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011] |



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Product images:

