

Product datasheet for KN216534LP

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HPSE2 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: HPSE2 Locus ID: 60495

Components: KN216534G1, HPSE2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN216534G2, HPSE2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN216534LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

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: <u>NM 001166244, NM 001166245, NM 001166246, NM 021828</u>

UniProt ID: Q8WWQ2

Synonyms: HPA2; HPR2; UFS; UFS1

Summary: This gene encodes a heparanase enzyme. The encoded protein is a endoglycosidase that

degrades heparin sulfate proteoglycans located on the extracellular matrix and cell surface. This protein may be involved in biological processes involving remodeling of the extracellular matrix including angiogenesis and tumor progression. Alternate splicing results in multiple

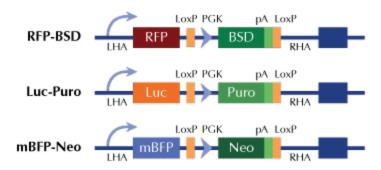
transcript variants. [provided by RefSeq, Oct 2009]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter