

Product datasheet for RC230257L4

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HPSE2 (NM_001166246) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HPSE2 (NM_001166246) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: HPSE2

Synonyms: HPA2; HPR2; UFS; UFS1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC230257).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001166246

ORF Size: 1644 bp





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OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001166246.1, NP 001159718.1</u>

RefSeq ORF: 1647 bp
Locus ID: 60495
UniProt ID: Q8WWQ2

Cytogenetics: 10q24.2

Protein Pathways: Glycosaminoglycan degradation, Metabolic pathways

MW: 62.3 kDa

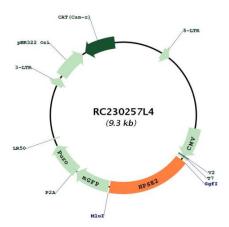
Gene Summary: This gene encodes a heparanase enzyme. The encoded protein is a endoglycosidase that

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:



Circular map for RC230257L4