Product datasheet for RR200862L4

Hemgn (NM_133294) Rat Tagged ORF Clone

Product data:

- **Product Type:** Expression Plasmids
- **Product Name:** Hemgn (NM_133294) Rat Tagged ORF Clone
- **Tag:** mGFP
- **Symbol:** Hemgn
- **Synonyms:** Edag-1; Edag1; Hgn; RP59
- **Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)
- **E. coli Selection:** Chloramphenicol (34 ug/mL)
- **Cell Selection:** Puromycin
- **ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (RR200862).
- **Restriction Sites:** SgfI-MluI
- **Cloning Scheme:**

```
<table>
<thead>
<tr>
<th>Restriction Site</th>
<th>ORF Nucleotide Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>SgfI</td>
<td>CCG AAT C GGC</td>
</tr>
<tr>
<td>MluI</td>
<td>ACG CGT</td>
</tr>
</tbody>
</table>
```

**EcoR I** BamH I **RBS**  **Kozak Motif**

```
<table>
<thead>
<tr>
<th>Restriction Site</th>
<th>ORF Nucleotide Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>MluI</td>
<td>ACG CGT</td>
</tr>
<tr>
<td>Nat I</td>
<td>GAA TAG</td>
</tr>
<tr>
<td>Xho I</td>
<td>GAG AGC</td>
</tr>
</tbody>
</table>
```

* The last codon before the Stop codon of the ORF.

**ACCN:** NM_133294

**ORF Size:** 1446 bp
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.

RefSeq: NM_133294.1, NP_579828.1
RefSeq Size: 2512 bp
RefSeq ORF: 1449 bp
Locus ID: 113882
Cytogenetics: 5q22
Gene Summary: may be involved in osteoblast recruitment into growing bone tissue [RGD, Feb 2006]