**Product datasheet for MR211576L3**

**Hip1r (NM_145070) Mouse Tagged ORF Clone**

**Product data:**

- **Product Type:** Expression Plasmids
- **Product Name:** Hip1r (NM_145070) Mouse Tagged ORF Clone
- **Tag:** Myc-DDK
- **Symbol:** Hip1r
- **Synonyms:** AA410023; mKIAA0655
- **Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)
- **E. coli Selection:** Chloramphenicol (34 ug/mL)
- **Cell Selection:** Puromycin
- **ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as MR211576.
- **Restriction Sites:** SgfI-MluI
- **Cloning Scheme:**

```
SgfI       ORF       MluI
---GCATGCC---ATG---NN---ACGC---
```

```
EcoRI      BamHI     RBS      Kozak      ORF
CTAGGCGGCCGCGCGAGAACCTGCTGAGTCGGTCATCGCCGAGAAGATCTGCGGACGATCCG
---NNACGC---ACGC---CGG---CTCTAGAG---ATG---------
```

```
MluI      XhoI      Myc.Tag
---NN ACGC---ACGC---CGG---CTCTAGAG---ATG---------
```

```
DDK.Tag
GATCTGGACGCAATTGATATCTGAGATGACCTGGAGCTCTCAAGCTAGAGCACAGAGCTGATAGAGAAGAGCTGATAGAGAAG
```

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

- **ACCN:** NM_145070
- **ORF Size:** 3204 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_145070.3, NP_659507.3
RefSeq Size: 4402 bp
RefSeq ORF: 3207 bp
Locus ID: 29816
Cytogenetics: 5 F
Gene Summary: Component of clathrin-coated pits and vesicles, that may link the endocytic machinery to the actin cytoskeleton. Binds 3-phosphoinositides (via ENTH domain). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis. [UniProtKB/Swiss-Prot Function]