

## Product datasheet for **SC302914**

### HEPN1 (NM\_001037558) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HEPN1 (NM_001037558) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEPN1
Synonyms:	cancer susceptibility gene HEPN1; HEPACAM opposite strand 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302914 representing NM_001037558. Blue=Insert sequence Red=Cloning site Green=Tag(s)

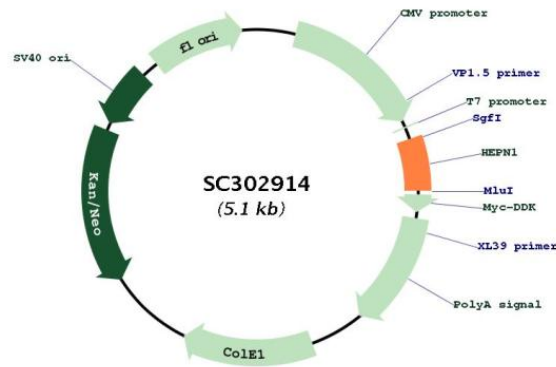
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTAACTGGGGCCTTGGAATTGCTCCATGGGTTGATGGCGAATCAGAGCTGGAGTTTAGGAGACTA
GGGATGCAAGGACCCTTGGAGGCATTAAGGAGGAGGGAATGGAATACACAGAGGGCCTCTTCTCTTTC
AGCTTTTTAATTGCCCTCTCTCTCACACAGTAGATTACTGCCACTCCTATGAACTGTTCAATAGGCGG
TGGCATGGGCATGTCCTGGCTACACAGCGGCCAGCCTTTATTTTGTAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM\_001037558

Insert Size: 267 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:** [NM\\_001037558.2](#)

**RefSeq Size:** 1428 bp

**RefSeq ORF:** 267 bp

**Locus ID:** 641654

**UniProt ID:** [Q6WQI6](#)

**Cytogenetics:** 11q24.2

**MW:** 10.3 kDa

**Gene Summary:** This gene is expressed predominantly in the liver. Transient transfection studies show the expression of this gene significantly inhibits cell growth, suggesting a role for this gene in apoptosis. Expression of this gene is down-regulated or lost in hepatocellular carcinomas (HCC), suggesting that loss of this gene is involved in carcinogenesis of hepatocytes (PMID:12971969). This gene maps to the 3'-noncoding region of the HEPACAM gene (GeneID:220296) on the antisense strand. [provided by RefSeq, Aug 2020]