

Datasheet for ABIN3301361

Human HEPN1 cDNA Clone in Mammalian Expression Vector

Overview

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|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | HEPN1 |
| Species: | Human |
| Insert: | cDNA |
| Vector: | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP) |

Product Details

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| Purpose: | Untagged full-length cDNA clone from Human HEPN1 is ideal for over-expression of native protein for functional studies. |
| Brand: | TrueClones® |
| Vector Backbone: | pCMV6-Entry |
| Promoter: | Enhanced CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Kanamycin |
| Expression Type: | Transient |
| Specificity: | With the native stop codon at the end of the ORF the C-terminal Myc-DDK tag in the vector won't be expressed. |
| Characteristics: | <ul style="list-style-type: none"> • These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated. • These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids. • Every lot of primer is tested to provide clean sequencing of cDNA clones. |

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Product Details

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|--------------------|--|
| Purification: | The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids. |
| Sequencing Primer: | VP1.5 (forward) 5'GGACTTTCCAAAATGTCC 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3' |
| Components: | <ul style="list-style-type: none">• The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.• The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. |

Target Details

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|-------------------|--|
| Gene: | HEPN1 |
| Alternative Name: | HEPN1 (HEPN1 Products) |
| Background: | This gene is expressed in the liver, and encodes a short peptide that is localized predominantly to the cytoplasm. Transient transfection studies showed that expression of this gene significantly inhibited cell growth, and it may have a role in apoptosis. Expression of this gene is downregulated or lost in hepatocellular carcinomas (HCC), suggesting that loss of this gene is involved in carcinogenesis of hepatocytes (PMID:12971969). Also to note is that this gene maps to the 3'-noncoding region of HEPACAM gene (GeneID:220296) on the antisense strand (PMID:15885354). [provided by RefSeq, Aug 2011]. |
| NCBI Accession: | NM_001037558 , NP_001032647 |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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|------------------|---|
| Format: | Lyophilized |
| Storage: | RT, -20 °C |
| Storage Comment: | The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH ₂ O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH ₂ O, store at -20 °C. |
| Expiry Date: | 12 months |

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Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)