

Datasheet for ABIN4938686

Human HPR ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	HPR
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human HPR with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1047 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAGTGACC TGGGAGCTGT CATTTCCTC CTGCTCTGGG GACGACAGCT TTTTGCCTG TACTCAGGCA ATGATGTCAC GGATATTTCA GATGACCGCT TCCCGAAGCC CCCTGAGATT GCAAATGGCT ATGTGGAGCA CTTGTTTTCGC TACCAGTGTA AGAACTACTA CAGACTGCGC ACAGAAGGAG ATGGAGTATA CACCTTAAAT GATAAGAAGC AGTGGATAAA TAAGGCTGTT GGAGATAAAC TTCCTGAATG TGAAGCAGTA TGTGGGAAGC CCAAGAATCC GGCAAACCCA

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Product Details

GTGCAGCGGA TCCTGGGTGG ACACCTGGAT GCCAAAGGCA GCTTTCCCTG GCAGGCTAAG
ATGGTTTCCC ACCATAATCT CACCACAGGG GCCACGCTGA TCAATGAACA ATGGCTGCTG
ACCACGGCTA AAAATCTCTT CCTGAACCAT TCAGAAAATG CAACAGCGAA AGACATTGCC
CCTACTTTAA CACTCTATGT GGGGAAAAAG CAGCTTGTAG AGATTGAGAA GGTGGTTCTA
CACCCCTAACT ACCACCAGGT AGATATTGGG CTCATCAAAC TCAAACAGAA GGTGCTTGTT
AATGAGAGAG TGATGCCCAT CTGCCTACCT TCAAAGAATT ATGCAGAAGT AGGGCGTGTG
GGTTACGTGT CTGGCTGGGG ACAAAGTGAC AACTTTAAAC TTA CTGACCA TCTGAAGTAT
GTCATGCTGC CTGTGGCTGA CCAATACGAT TGCATAACGC ATTATGAAGG CAGCACATGC
CCCAAATGGA AGGCACCGAA GAGCCCTGTA GGGGTGCAGC CCATACTGAA CGAACACACC
TTCTGTGTCG GCATGTCTAA GTACCAGGAA GACACCTGCT ATGGCGATGC GGGCAGTGCC
TTTGCCGTTT ACGACCTGGA GGAGGACACC TGGTACGCGG CTGGGATCCT AAGCTTTGAT
AAGAGCTGTG CTGTGGCTGA GTATGGTGTG TATGTGAAGG TGACTTCCAT CCAGCACTGG
GTTTCAGAAGA CCATAGCTGA GAACTAA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene: HPR

Alternative Name: HPR ([HPR Products](#))

Background: This gene encodes a haptoglobin-related protein that binds hemoglobin as efficiently as haptoglobin. Unlike haptoglobin, plasma concentration of this protein is unaffected in patients with sickle cell anemia and extensive intravascular hemolysis, suggesting a difference in binding between haptoglobin-hemoglobin and haptoglobin-related protein-hemoglobin complexes to CD163, the hemoglobin scavenger receptor. This protein may also be a clinically important predictor of recurrence of breast cancer. [provided by RefSeq, Oct 2011].

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Target Details

Gene ID: 3250

NCBI Accession: [NM_020995](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

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