

Product datasheet for SC113071

HPR (NM_020995) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HPR (NM_020995) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPR
Synonyms:	A-259H10.2; HP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020995, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGACCTGGGAGCTGTCATTTCCCTCCTGCTCTGGGGACGACAGCTTTTTGCACTGTACTCAGGCA
ATGATGTCACGGATATTTAGATGACCGCTTCCCGAAGCCCCCTGAGATTGCAAATGGCTATGTGGAGCA
CTTGTTTCGCTACCAGTGAAGAATACTACAGACTGCGCACAGAAGGAGATGGAGTATACACCTTAAAT
GATAAGAAGCAGTGGATAAATAAGGCTGTTGGAGATAAACTTCTGAATGTGAAGCAGTATGTGGGAAGC
CCAAGAATCCGGCAAACCCAGTGCAGCGGATCCTGGGTGGACACCTGGATGCCAAAGGCAGCTTCCCTG
GCAGGCTAAGATGGTTTCCACCATAATCTCACCACAGGGGCCACGCTGATCAATGAACAATGGCTGCTG
ACCACGGCTAAAAATCTTCTCCTGAACCATTGAGAAAATGCAACAGCGAAAGACATTGCCCTACTTTAA
CACTCTATGTGGGGAAAAAGCAGCTTGTAGAGATTGAGAAGGTGGTTCTACACCCCTAACTACCACAGGT
AGATATTGGGCTCATCAAACCTCAAACAGAAAGGTGCTTGTAAATGAGAGAGTGATGCCCATCTGCCTACCT
TCAAAGAATTATGCAGAAGTAGGGCGTGTGGGTTACGTGTCTGGCTGGGGACAAAGTGACAACCTTTAAAC
TTACTGACCATCTGAAGTATGTCATGCTGCCTGTGGTGACCAATACGATTGCATAACGCATTATGAAGG
CAGCACATGCCCCAAATGGAAGGCACCGAAGAGCCCTGTAGGGGTGCAGCCATACTGAACGAACACACC
TTCTGTGTCGGCATGTCTAAGTACCAGGAAGACACCTGCTATGGCGATGCGGGCAGTGCCTTTGCCGTTT
ACGACCTGGAGGAGGACACCTGGTACGCGGCTGGGATCCTAAGCTTTGATAAGAGCTGTGCTGTGGCTGA
GTATGGTGTGTATGTGAAGGTGACTTCCATCCAGCACTGGGTTCAGAAGACCATAGCTGAGAACTAA
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Restriction Sites:	Please inquire
ACCN:	NM_020995
Insert Size:	1300 bp



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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	A TrueClone.
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:	<ol style="list-style-type: none">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_020995.3 , NP_066275.3
RefSeq Size:	1245 bp
RefSeq ORF:	1047 bp
Locus ID:	3250
UniProt ID:	P00739
Cytogenetics:	16q22.2
Domains:	CCP, Tryp_SPC
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	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]