

Product datasheet for **SC119788**

Hemopexin (HPX) (NM_000613) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemopexin (HPX) (NM_000613) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hemopexin
Synonyms:	HX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119788 sequence for NM_000613 edited (data generated by NextGen Sequencing)

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ATGGCTAGGGTACTGGGAGCACCCGTTGCACTGGGGTTGTGGAGCCTATGCTGGTCTCTG
GCCATTGCCACCCTCTTCTCCGACTAGTGCCCATGGGAATGTTGCTGAAGGCGAGACC
AAGCCAGACCCAGACGTGACTGAACGCTGCTCAGATGGCTGGAGCTTTGATGCTACCACC
CTGGATGACAATGGAACCATGCTGTTTTTAAAGGGGAGTTTGTGTGGAAGAGTCACAAA
TGGGACCCGGGAGTTAATCTCAGAGAGATGGAAGAATTTCCCAGCCCTGTGGATGCTGCA
TTCGTC AAGGTCACAACAGTGTCTTTCTGATCAAGGGGACAAAAGTCTGGGTATACCCT
CCTGAAAAGAAGGAGAAAAGGATACCCAAAAGTTGCTCCAAGATGAATTTCTGGAATCCCA
TCCCCACTGGATGCAGCTGTGGAATGTCACCGTGGAGAATGTCAAGCTGAAGGCGTCTCT
TTCTTCCAAGGTGACCGCGAGTGGTTCTGGGACTTGGCTACGGGAACCATGAAGGAGCGT
TCCTGGCCAGCTGTTGGAACTGCTCCTCTGCCCTGAGATGGCTGGGCCGCTACTACTGC
TTCAGGGTAACCAATTCCTGCGCTTCGACCCTGTCAGGGGAGAGGTGCCTCCAGGTAC
CCGCGGGATGTCGAGACTACTTCATGCCCTGCCCTGGCAGAGGCCATGGACACAGGAAT
GGGACTGGCCATGGAAACAGTACCCACCATGGCCCTGAGTATATGCGCTGTAGCCACAT
CTAGTCTTGTCTGCACTGACGTCTGACAACCATGGTGCCACCTATGCCTTCAGTGGGACC
CACTACTGGCGTCTGGACACCAGCCGGGATGGCTGGCATTAGCTGGCCATTGCTCATCAG
TGGCCCCAGGGTCTTCAGCAGTGGATGCTGCCTTTTCTGGGAAGAAAACCTATCTG
GTCCAGGGCACCCAGGTATATGTCTTCTGACAAAGGGAGGCTATACCCTAGTAAGCGGT
TATCCGAAGCGGCTGGAGAAGGAAGTCGGGACCCCTCATGGGATTATCCTGGACTCTGTG
GATGCGGCCTTTATCTGCCCTGGGTCTTCTCGGCTCCATATCATGGCAGGACGGCGGCTG
TGGTGGCTGGACCTGAAGTCAGGAGCCCAAGCCACGTGGACAGAGCTTCTTGGCCCCC
GAGAAGGTAGACGGAGCCTTGTGTATGGAAAAGTCCCTTGGCCCTAACTCATGTTCCGCC
AATGGTCCCGGCTTGTACCTCATCCATGGTCCCAATTTGTAAGTGTACAGTGTATGTGGAG
AAACTGAATGCAGCCAAGGCCCTTCCGCAACCCAGAATGTGACCAGTCTCCTGGGCTGC
ACTCACTGA
    
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Clone variation with respect to NM_000613.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000613 unedited

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GATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGCATGGCTAG
GGTACTGGGAGCACCCGTTGCACTGGGGTTGTGGAGCCTATGCTGGTCTCTGGCCATTGC
CACCCCTCTTCTCCGACTAGTGCCCATGGGAATGTTGCTGAAGGCGAGACCAAGCCAGA
CCCAGACGTGACTGAACGCTGCTCAGATGGCTGGAGCTTTGATGCTACCACCCTGGATGA
CAATGGAACCATGCTGTTTTTAAAGGGGAGTTTGTGTGGAAGAGTCACAAATGGGACCG
GGAGTTAATCTCAGAGAGATGGAAGAATTTCCCAGCCCTGTGGATGCTGCATTCGTC A
AGTCCACAACAGTGTCTTTCTGATCAAGGGGGACAAAAGTCTGGGTATACCCTCCTGAAAA
GAAGGAGAAAAGGATACCCAAAAGTTGCTCCAAGATGAATTTCTGGAATCCCATCCCCACT
GGATGCAGCTGTGGAATGTCACCGTGGAGAATGTCAAGCTGAAGGCGTCTCTTCTTCCA
AGGTGACCGCGAGTGGTTCTGGGACTTGGCTACGGGAACCATGAAGGAGCGTTCCTGGCC
AGCTGTTGGAACTGCTCCTCTGCCCTGAGATGGCTGGGCCGCTACTACTGCTTCCAGGG
TAACCAATTCCTGCGCTTCGACCCTGTCAGGGGAGAGGTGCCTCCAGGTACCCGCGGGA
TGTCGAGACTACTTCATGCCCTGCCCTNGGCAGAGCCATGGACACANGANTGGNGACTG
GGCCATGGAACAGTACCCCATGGGCTGAGTTATGCGCTGTACCACATCTAGTCTGTTG
CACTGACGTTGACACCATGTGCCACTTGCCTTCAGTGGACCATACTGGCGTTGACACANC
GGGTG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_000613 unedited GAACCGCGGGCCCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTCCCTTGGTTCAAGT GAAGAAGCAATCTGTCTTTATTATGAGAACTGGGGAGGTGGGGCCAGGCCAGACTCATG TCAAAAAGGCCCTCAGTGAGAAGCGAAGAAGCAATCTGTCTTTATTATGAGGAAC TAGGA GGTGGGGCCAGGCCAGACTCATGTCAGAAGGCCCTCAGTGAGTGCAGCCAGGAGACTG GTCACATTCTGGGTTGCGGAAGGGCCTTGGCTGCATTTCAGTTTCTCCACATCACTGTAG CAGTACAAATTGGGACCATGGATGAGGTACAAGCCGGGACCATTGGCGGAACATGAGTTA GGGCCAAGGGACTTTTCCATACACAAGGCTCCGTCTACCTTCTCATGGGGCCAAGGAAGC TCTGTCCACGTGGCTTGGGCTCCTGACTTCAGGTCCAGCCACCACAGCCCGCTCCTGCC ATGATATGGAGCCGAGAAGACCCAGGGCAGATAAAGGCCGCATCCACAGAGTCCAGGATA ATCCCATGAGGGTCCCAGCTTCTTCTCCAGCCGCTTCGGATAACCGCTTACTAGGGTA TAGCCTCCCTTTGTCAGGAAGACATATACTGGGTGCCCTGGACCAGATAGAGTTTTTCT TCCCAGAAAAGGCAGCATCCACTGCTGAAGGACCCTGGGGCCACTGATGAGCAATGGGC CAGCTATGCCAGCCATCCCGTTGGTGTCAAACGCCAGTAGTGGGTCCCCTGAAGCAT AGGTGGCCCATGGTTGTAACGTCAAGGCAAACAAAATAAATGGGGGCTCAGCCCAATCC TCAGGCCATGGGGTACTTGTCCCATGCCAGTCCCTTACTGGGCCATGGCCTTGCCAGGA AGGGATAAAAATCTTGAACCTCCGGGGTCCCGGGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_000613
Insert Size:	1400 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).
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:	<u>NM_000613.1</u> , <u>NP_000604.1</u>
RefSeq Size:	1389 bp
RefSeq ORF:	1389 bp
Locus ID:	3263
UniProt ID:	<u>P02790</u>
Cytogenetics:	11p15.4
Domains:	hemopexin
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a plasma glycoprotein that binds heme with high affinity. The encoded protein is an acute phase protein that transports heme from the plasma to the liver and may be involved in protecting cells from oxidative stress. [provided by RefSeq, Apr 2009]