

Product datasheet for **RG222271**

Hemopexin (HPX) (NM_000613) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemopexin (HPX) (NM_000613) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hemopexin
Synonyms:	HX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222271 representing NM_000613
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTAGGGTACTGGGAGCACCCGTTGCACTGGGGTTGTGGAGCCTATGCTGGTCTCTGGCCATTGCCA
 CCCTCTTCTCCGACTAGTGCCCATGGGAATGTTGCTGAAGGCGAGACCAAGCCAGACCCAGACGTGAC
 TGAACGCTGCTCAGATGGCTGGAGCTTTGATGCTACCACCCTGGATGACAATGGAACCATGCTGTTTTTT
 AAAGGGGAGTTTGTGTGGAAGAGTCAAAATGGGACCGGGAGTTAATCTCAGAGAGATGGAAGAATTTCC
 CCAGCCCTGTGGATGCTGCATTCGTCAAGGTCACAACAGTGTCTTTCTGATCAAGGGGGACAAAGTCTG
 GGTATACCCTCTGAAAAGAAGGAGAAAGGATACCCAAAGTTGCTCCAAGATGAATTTCTGGAATCCCA
 TCCCCACTGGATGCAGCTGTGGAATGTCACCGTGGAGAATGTCAAGCTGAAGGCGTCTCTTCTTCCAAG
 GTGACCGGAGTGGTTCTGGGACTTGGCTACGGGAACCATGAAGGAGCGTTCCTGGCCAGCTGTTGGGAA
 CTGCTCCTCTGCCCTGAGATGGCTGGGCGCTACTACTGTTCCAGGGTAACCAATTCCTGCGCTTCGAC
 CCTGTACAGGGGAGAGGTGCCTCCAGGTACCCGCGGGATGTCGAGACTACTTATGCCCTGCCCTGGCA
 GAGGCCATGGACACAGGAATGGGACTGGCCATGGGAACAGTACCCACCATGGCCCTGAGTATATGCGCTG
 TAGCCACATCTAGTCTTGTCTGCACTGACGTCTGACAACCATGGTGCCACCTATGCCTTCAGTGGGACC
 CACTACTGGCGTCTGGACACCAGCCGGGATGGCTGGCATAGCTGGCCATTGCTCATCAGTGGCCCCAGG
 GTCCTTCAGCAGTGGATGCTGCCTTTTCTGGGAAGAAAACCTCTATCTGGTCCAGGGCACCCAGGTATA
 TGTCTTCTGACAAAGGGAGGCTATACCCTAGTAAGCGGTTATCCGAAGCGGCTGGAGAAGGAAGTCGGG
 ACCCTCATGGGATTATCTGGACTCTGTGGATGCGGCCTTTATCTGCCCTGGGTCTTCTCGGCTCCATA
 TCATGGCAGGACGCGGCTGTGGTGGCTGGACCTGAAGTCAGGAGCCCAAGCCAGTGGACAGAGCTTCC
 TTGGCCCCATGAGAAGGTAGACGGAGCCTTGTGTATGGAAGTCCCTTGGCCCTAACTCATGTTCCGCC
 AATGGTCCCGCTTGTACCTCATCCATGGTCCCAATTTGACTGCTACAGTATGTGGAGAACTGAATG
 CAGCCAAGGCCCTTCGCAACCCAGAATGTGACCAGTCTCTGGGCTGCACTCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222271 representing NM_000613
 Red=Cloning site Green=Tags(s)

MARVLGAPVALGLWSLCWSLAIATPLPPTSAHGNVAEGETKPPDPVTERCSDGWSFDATLDDNGTMLFF
 KGEFVWVSHKWDRELISERWKNFPSPVDAAFRQGHNSVFLIKGDKVWVYPPEKKEKGYPKLLQDEFPGIP
 SPLDAAVECHRGECAEGLVFFQGDREWFWDLATGTMKERSWPAVGNCSALRWLGRYYCFQGNQFLRFD
 PVRGEVPPRYPRDVRDYFMPGPRGHGHRNGTGHGNSTHHGPEYMRCSPLVLSALTSDNHGATYAFSGT
 HYWRLDTSRDGWSWPIAHQWPQGPSAVDAAFSWEEKLYLVQGTQYVYVFLTKGGYTLVSGYPKRLEKEVG
 TPHGIILDSVDAAFICPGSSRLHIMAGRRLWLDLKSQAATWTELPWPHEKVDGALCMEKSLGPNSCSA
 NGPGLYLHGNPLYCYSVDEKLNAAKALPQPQNVTSLLGCTH

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_000613

ORF Size: 1386 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_000613.3](#)

RefSeq Size: 1389 bp

RefSeq ORF: 1389 bp

Locus ID: 3263

UniProt ID: [P02790](#)

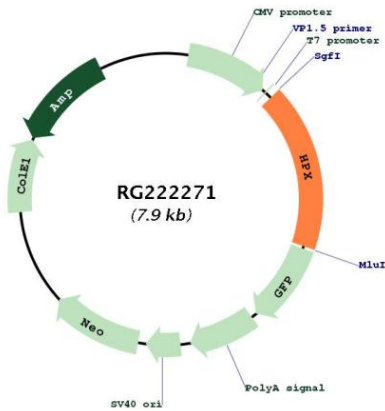
Cytogenetics: 11p15.4

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]

Product images:



Circular map for RG222271