

Product datasheet for **RR212911**

Hpse (NM_022605) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hpse (NM_022605) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hpse
Synonyms:	Hep; Hpa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212911 representing NM_022605
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGGCCGCTGCTGCTGTGGCTCTGGGGCGGCTCCGTGCCCTGACCCAAGGCACTCCGCGCGG
 GGACCGCGCCGACCAAGGACGTGGTGGACTTGGAGTTTTACACCAAGAGGCTATTCCAAAGCGTGAGTCC
 CTGTTCTCTGCCATCACCATCGACGCCAGCCTGGCCACCGACCCCTCGGTTCTCACCTTCTGGGCTCT
 CCACGGCTTCGAGCCCTGGCTAGAGGCTTATCTCTGCGTACTTGAGATTTGGCGGCACCAAGACTGACT
 TCCTTATTTTTGATCCCAACAAGGAACCCACCTCTGAAGAAAGAAGTTACTGGCAATCTCAAGACAACAA
 TGATATTTGCGGGTCTGAGCGGGTCTCTGCTGACGTGTTGAGGAACTCCAGATGGAGTGGCCCTCCAG
 GAGCTGCTGCTCGGAGAACAGTACCAAGAGAATTCAAGAACAGCACCTACTCACGAAGCTCGGTGG
 ACATGCTCTACAGTTTTGCTAAGTCTCGAGGTTAGACCTGATCTTTGGTCTAAATGCGTTACTAAGAAC
 CCCAGACTTGGGTGGAACAGCTCCAACGCCAGCTTCTCTCACTACTGCTCTTCCAAGGTTATAAC
 ATCTCTGGGAACTGGGCAACGAGCCCAACAGTTTCTGGAAGAAAGCTCAGATTTCCATCGATGGGTTC
 AGCTAGGAGAAGACTTTGTGGAGTTCATAAACTTCTACAAAAGTCAGCTTTCCAAAACGAAAACCTCTA
 TGGTCTGACATTTGGTCAGCCTCGAGGGAAGACAGTTAAGCTGCTGAGAAGCTTCTGAAGGCTGGTGG
 GAAGTGATTGACTCTCTCACCTGGCATCACTACTTGAATGGACGAGTTGCGACCAAGAAGATTTTC
 TGAGCTCTGATGCTCGGACACTTTTATCTATCTGTGCAAAAAATTCTGAAGGTGACTAAGGAGATGAC
 ACCTGGCAAGAAGGTCTGGTTGGGAGAGACGAGCTCTGCCTACGGCGCGGAGCGCCCTTGTGTCCAAT
 ACCTTTGACGCTGGCTTTATGTGGCTGGATAAATTGGCCCTGTCAGCCAGCTGGGGATAGAAGTCGTGA
 TGAGCGAGGTGTTTTTCGGAGCAGGCAACTACCCTTAGTGGACGAAAACCTTTCAGCCCTTGCCCGATTA
 CTGGCTCTCTCTCTGTTCAAGAACTGGTAGGTCCTCAAGGTGTTAATGTCAAGAGTGAAGGCCAGAC
 AGAAGCAAACTCCGAGTGTACCTCCACTGCACGAACGTCTATCACCCAAGGTATCGGGAAGGAGATTTAA
 CTCTGTACGCTCTGAACCTCCATAATGTCACCAAGCACTTGAAGCTGCCGCTCCGATGTTGAGCAGACC
 GGTGGATAAGTACCTGCTGAAGCCTTTTCGGTCTGACGGACTGCTTTCCAAATCCGTCCAACCTGAACGGT
 CAAACCTGAAGATGGTCGATGAGCAGACCCTGCCAGCTCTAACAGAAAAACCTCTCCCCGAGGAAGCT
 CACTAAGCGTGCCCGCTTTTCTATGGGTTTTTGTGTCATAAGAAATGCCAAAATCGCAGCTTGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212911 representing NM_022605
 Red=Cloning site Green=Tags(s)

MLRPLLLLWLGRLRALTQGPAGTAPTKDVVDLEFYTKRLFQSVSPSFLSITIDASLATDPRFLTFLGS
 PRLRALARGLSPAYLRFGGTKDFLIFDPNKEPTSEERSYWQSQDNNDICGSERVSADVLRKLQMEWPFQ
 ELLLLREQYQREFKNSTYSRSSVDMLYSFAKCSRLDLIFGLNALLRTPDLRWNSSNAQLLLNYCSSKGYN
 ISWELGNEPNSFWKKAQISIDGLQLGEDFVELHKLLQKSAFQNAKLYGPDIGQPRGKTVKLLRSFLKAGG
 EVIDSLTWHHYLNGRVATKEDFLSSDVLDTFILSVQKILKVTKEMTPGKKVWLGETSSAYGGGAPLLSN
 TFAAGFMWLDKGLSAQLGIEVVMRQVFFGAGNYHLVDENFEPLPDYWLSLLFKKLVGPKVLMRSRVKGPD
 RSKLRVYLHCTNYYHPRYREGDLTYVLNLHNVTKHLKLPMPF SRPVDKYLLKPF GSDGLLSKSVQLNG
 QTLKMDVEQTLPALTEKPLPAGSSLSVPAFSYGFVIRNAKIAACI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_022605
ORF Size:	1608 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:	<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_022605.1 , NP_072127.1
RefSeq Size:	3177 bp
RefSeq ORF:	1611 bp
Locus ID:	64537
UniProt ID:	Q71RP1
Cytogenetics:	14p22
MW:	60.6 kDa
Gene Summary:	endo-beta-glucuronidase capable of cleaving heparan sulfate involved in the regulation of heparin sulfate proteoglycan function [RGD, Feb 2006]