

Product datasheet for **RR213422**

Hars2 (NM_001014012) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hars2 (NM_001014012) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hars2
Synonyms:	Hars2l; RGD1308426; Zmat2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213422 representing NM_001014012
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCACCTAGGGCCCTGCGCTGTAGGACCTGGGCTGCACTACTCGCCAACCTCTGCGACCTCCCC
 GCACTGTGTGCAACCGGGCGGTGCGCTGTCATAGCCAGGTTGCGAAGGCAGTGTTAACATCTGAGCAACT
 GAAACCACATCAACAAAAACCAATTTTATCATCAAGGTTCCAAAGGGCACCAGGATTTAAGTCTCAA
 CAGATGGTTGTGAGGGAGAAAATCTTGATAAGATTATTAGCTGTTTTAAACGTCATGGGGCAAAGGGT
 TGGACACGCCAGCATTTGAGCTAAAAGAAATGCTCACCGAGAAGTATGAAGACAACCTCGGCCTCATGTA
 TGATTTGGAGGATCAAGGTGGGAGTTGCTGTCTCTGCGCTATGACCTTACTGTCCTTTTGCTCGCTAT
 CTGGCCATGAATAAATTGAAGAGGATGAAACGGTATCAAGTGGGAAAGGTGTGGAGGCGAGAGAGTCCAG
 CTATAGTCCAGGGCCGCTACCGGAGTTCTGCCAGTGTGATTTTGACATTGCTGGTGAGTTTGACCCAAT
 GATCCCTGATGCAGAGTGGTTGAGGATTATGTGTGAAATCCTAAGTGGATTGCAGCTGGGGGACTTTCTC
 ATTAAGGTAATGACCGTCGGTGTAGACGGGATGTTTGTCTGTCTGTGGTGTTCCTGAGAGCAAGTTC
 GTACCATCTGCTCCTCAATGGACAACTAGACAAGATGCTTGGGAAGATGTGAGACTTGAGATGGTGGC
 AGGGAAAGGCCTAGTCTCTGAGGTGGCTGATCGAATTGGGGACTACGTCCAATGCCATGGGGGATATCC
 CTGGTAGAGGAGCTGTTCAAGGATCCCAGACTGTCCAAAGCCAGCTGGCCTTGACAGGGCCTAGGGGACC
 TGAAGTCTCTTTGAATACCTGAGGTTATTTGGAATTGCCGATAAGATCTCCCTTGATCTGAGTCTGGC
 CCGGGGCTGGACTATTATACAGGAGTCATTTATGAAGCAGTACTGCTAGAGTCTCCAGCTCAGGCCGGA
 AAGGAGACTCTGAATGTGGGTAGTGTGGCTGCTGGTGGCGCTATGACAGGCTGGTAGCCAGTTTGATC
 CCAAGGGACATAGCGTGCCTTGTGTGGGTTGAGCATTGGAGTAGAGAGAATCTTCTATCTGTGGAGCA
 GAAGATGAAGATTTCTTGTGAGAAGGTTGGAACACAGAGACCAAGTGTGTGGCCACGCCCCAGAAG
 AACTTCTCCAAGAGCGTTTGAAGATAATTGCACAGCTTTGGGATGCAGGGATCAAGGCAGAGATGCTTT
 ATAAAAACAACCCTAAACTGTTAACCCAGCTGCACTATTGTGAGAAAGAAGACATTCTCTAATGGTCAT
 TATTGGTGAAGCAAGAACAAGGATGAAGGTGTCGTCGCAAGTCCGTTGAGTGGCCAGCAGAGAAGAAGTGACC
 GTTAATCGAGAAAGTCTTGTGGCTGAAATTCAGAAGCGACTGTCTGAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213422 representing NM_001014012
 Red=Cloning site Green=Tags(s)

MPHLGPLRCRTWAALLGQLLRPPRTVCNRAVGHCHSQVAKAVLTSEQLKPHQKPNFIIKVPKGTDRDLSQ
 QMVVREKILDKIISCFKRHGAKGLDTPAFELKEMLTEKYEDNFGLMYDLEDQGGELLSLRYDLTPVFARY
 LAMNKLKRMKRYQVGKVVRRRESPAIVQGRYREFCQCDFDIAGEFDPMPDAECLRIMCEILSGLQLGDFL
 IKVNDRRVVDGMFAVCGVPESKFRITCSSMDKLDKMSWEDVRLEMVAGKGLAPEVADRIGDYVQCHGGIS
 LVEELFKDPRLSQQALALQGLGDLKLLFEYLRLFGIADKISLDLSLARGLDYYTGVYIEAVLLESPAQAG
 KETLNVGSVAAGGRYDRLVAQFDPKGHSVPCVGLSIGVERIFYLVEQKMKISCEKVRTTETQVVFATPQK
 NFLQERLKIIAQLWDAGIKAEMLYKNNPKLLQLHYCEKEDIPLMVIIGEQQNEGVVKLRSVASREEVT
 VNRESLVAEIQRLSES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001014012

ORF Size: 1521 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_001014012.2](#), [NP_001014034.2](#)

RefSeq Size: 3089 bp

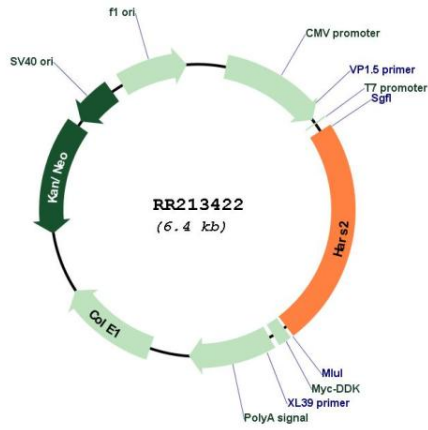
RefSeq ORF: 1524 bp

Locus ID: 307491

Cytogenetics: 18p11

MW: 57.3 kDa

Product images:



Circular map for RR213422