

Product datasheet for **MR209244**

HnrpII (BC012849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HnrpII (BC012849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HnrpII
Synonyms:	PHGPx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209244 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCCACCTCCTCCTCCTCCCAAGGAGGAGACGTACGAGGAGGACCGGGAGTTCGAGAGCCAGG
 CCAAGCGCTCAAGACCGAGGAGGAGAGATCGTCTACTCGGCCGAGGAGAGCGAGAATCGCCAGGAAGC
 GACGCCTCAGGCGGGGAGCGATAGCGACAGCGCGCGCGCAGCGAGGCGACGGAGACGGAGGCAGCGGC
 GGCGCGCGCAGCGGAGGAAGCGAAGGTGGAGAAGAAGGCGACGAAGGCGACGGCGATGAGGGAGGGA
 GCGGCGCGCAGCAAGGCGCAGCGCGGTGGCGCGCGGCCCTCGGAGCATGCCCTGTCCACGGAGGG
 AGGTGGAAGTCATCATAAAGTTTCTGTTCCCTGTTGTCATGTTGAGGGCTCTGTGAATCTGTTGTG
 GAAGCTGACCTTGTGGAGGCACTGGAGAAATTTGGACAATATGCTATGTGATGATGCCATTTAAAC
 GACAGGCTCTCGTGGAGTTTAAAAATAGATAGTCCAAAGAATGTGTGACATTTGCTGCAGATGTGCC
 TGTGTACATTGCTGGCCAGCAGGCTTTCTCAACTATTCTACAAGTAAAAGAATCACTCGCCAGGAAAT
 ACCGACGATCCATCAGGGGGCAACAAAGTCTTGTCTCTATTTCAGAAATCCTCTTTACCAATTACGG
 TGGATGTTCTGTATACTGTATGCAACCCTGTTGGAAAAGTACAGCGTATTGTTATCTTCAAGAGAAATGG
 GATACAAGCAATGGTTGAGTTTGTGAGTCACTTTGCGCCAGAAGGCTAAAGCAGCACTCAATGGAGCT
 GATATATATGCTGGATGTTGCACACTAAAAATGAATATGCAAGGCCAATCGTCTAAATGTTATTAGGA
 ATGACAATGACAGTTGGGACTACACTAAACCTTATTTGGGAAGACGAGATAGAGGAAAGGGTCGCCAGAG
 ACAAGCCATTTGGGAGACCCTTCTTCGTTTAGACATGATGGCTATGGATCGCATGGTCCGCTACTG
 CCTTTACCAAGTCGTTATAGAATGGCTCTAGAGATACACCTGAACCTGTTGCTTATCCGTTACCACAAG
 CGTCTTCTCTTACATGCATGGAGGCAGTCCGCTGGCTCCGTTGTAATGGTTAGTGGATTACATCAGT
 CAAAATGAATTTCAAGAGCTTCAACCTGTTCTGCTTGTATGGAAATATTGAAAAGGTAAGTTTATG
 AAGACCATTCTGGCACAGCACTTGTAGAAATGGGTGACGAGTATGCTGTGGAAAGAGCTGTCAACCACC
 TTAATAATGTCAAACCTTTGGGAAAAGACTTAATGTTTGTGTCTAAACAGCACTCAGTTGTTCCAG
 TCAAATATTTGAGCTAGAGGATGGTACGAGCAGCTACAAAGATTTTGCAATGAGCAAAAATAATCGCTTT
 ACAAGTGTGGACAAGCATCTAAGAATATAATCCAGCCACCGTCAATGTGTGCTGCATTATTACAATGTT
 CGCTGTGTGTACAGAAGAGACCTTCAAAAGTTGTGAATGACCACGAAGTTCTCCGTTCAACAATA
 TAAAGTGTGGACGAAAGCTTCTGCGAAAACCTGTCTGGGCTATTGGAGTGGAAAGTCAAAAAGTAT
 GCCGTGGAAGCTCTCACTGCGCTCAATCACTACCAGATACGAGTCCCGAATGGCTCAACCCCTATACGT
 TGAAGCTTGTCTTTCTACATCATCCCATTTA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209244 protein sequence
 Red=Cloning site Green=Tags(s)

MSSTSSSSPKEETYEEDREFESQAKRLKTEEGEIVYSAESENREQEATPQAGSDSDSGGGDGGDGGGSG
 GGGDGEEGEGGEEGDEGDGDEGGSGGDEGGSGGGGGPRSMPLSTEGGSHHKVSVSPVHVHVRGLCESV
 EADLVEALEKFGTICYVMMMPFKRQALVEFENIDSAKECVTFADVPVYIAGQQAFFNYSTSKRITRPGN
 TDDPSGGNKVLLLSIQNPLYPIITVDVLYTVCNPVGVQRIVIFKRNGIQAMVEFESVLCQAQAKAALNGA
 DIYAGCCTLKIYARPTLRNVIRNDNSWDYTKPYLRDRDRGKGRQQAILGDHPSFRHDGYGSHGPLL
 PLPSRYRMGSRDTPELVAYPLPQASSSYMGGSPSGSVVMVSGLHQLKMNCSRNFNLFLYGNIEKVKFM
 KTIPGTALVEMGDEYAVERAETHLNNVKLFGKRLNVCVSKQHSVPSQIFELDGTSSYKDFAMSKNNRF
 TSAGQASKNIIQPPSCVLHYYNVPLCVTEETFKLKNDHEVLPFIKYKVFDAKASAKTSLGLEWKCKTD
 AVEALTALNHYQIRVPNGSNPYTLKLCFSTSSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC012849

ORF Size: 1782 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC012849](#), [AAH12849](#)

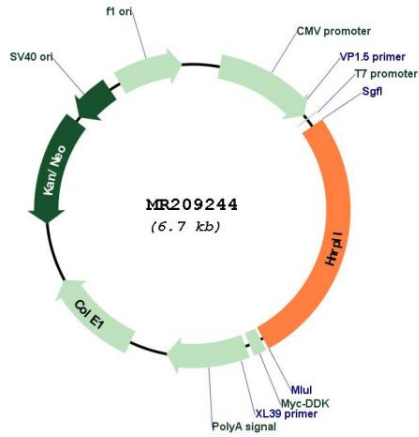
RefSeq Size: 3017 bp

RefSeq ORF: 1784 bp

Locus ID: 72692

Cytogenetics: 17 E3
MW: 64.3 kDa
Gene Summary: RNA-binding protein that functions as regulator of alternative splicing for multiple target mRNAs, including PTPRC/CD45 and STAT5A. Required for alternative splicing of PTPRC. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209244