

Product datasheet for **RN212203**

Epha7 (NM_134331) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epha7 (NM_134331) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epha7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212203 representing NM_134331
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTGTTCAAACCTCGGTACCCTTCGTGGATTATTTGTGTTACATCTGGCTGCTTGGCTTTGCACACA
 CGGGGGAGGCGCAGGCTCGAAGGAAGTACTGTTACTGGACTCGAAAGCACAACAACAGAAATTGGAATG
 GATTTCTCTCCACCCAGTGGGTGGGAAGAAATTAGTGGTTTGGATGAGAAGTACACACCAATAAGAACA
 TACCAGGTGTGCCAGGTATGGAGCCCAACCAGAACAACTGGCTTCGGACTAACTGGATTCTAAAGGCA
 ACGCACAAAGGATTTTTGTAGAATTGAAATTCACCTTGAGGGATTGTAATAGTCTCCCGGAGTCTGGG
 AACTTGAAGGAAACCTTAATTTGACTATTATGAAACAGACTACGACACCGGCAGGAATACGAGAA
 AACCTTACGTTAAAATAGACACCATTGCTGCAGATGAAAGTTTTACACAAGGTGACCTTGGTGAAGAA
 AGATGAAGCTGAACACTGAGGTGAGAGAGATTGGACCTTGTCCAAAAGGGATTCTATCTTGCCTTCA
 GGATGTAGGGCTTGCATAGCATTGGTTTCTGTCAAAGTATACTACAAGAAGTGTGGTCCATTATTGAG
 AACTTAGCTGTCTTCCAGATACAGTACTGGTTCAAGATTTTCTCCTTAGTTGAGGTCCGTGGGACAT
 GTGTCAGCAGTGCCGAGGAAGAGGCAGAAAATCACCCAGGATGCATTGCAGTGCAGAAGGAGAGTGGTT
 AGTACCCATTGGAAAATGTATCTGCAAAGCAGGCTATCAGCAAAAAGGGGACACTTGTGAACCTGTGGC
 CGCAGGTTCTACAAATCTTCTCTCAGGACCTTCACTGTTCTCGTTGTCCAACCCACAGTTTCTCTGACC
 GAGAAGGATCATCGAGGTGTGAATGTGAAGACGGGTAACAGAGCTCCTTCTGACCCACCATACGTCGC
 ATGCACGAGGCCCTCCCTGACCCACAGAACCTTATTTTCAACATCAATCAAACGACTGTAAGTTTGGAG
 TGGAGTCTCCAGCTGACAACGGAGGAAGAAACGATGTACCTACAGAATATTGTGTAAGCGGTGACGCT
 GGGAGCAGGGAGAATGTGTACCATGCGGAAGTAACTTGGATACATGCCCCAGCAGACGGGATTAGAGGA
 TAACTATGTCAGTGTATGGACCTGCTTGCCTGCAAATACACGTTTGAAGTTGAAGCTGTAATGGA
 GTTTCAGACTTAAGCAGATCCCAGAGGCTTTTTGACGCCGTTAGCATCACCACTGGTCAAGCAGCTCCCT
 CGCAAGTGAAGGAGAGTGTGAAGGAGAGAGTGTGACGCGGAGTGTGGAGCTTCTTGGCAGGAACCCAGA
 ACATCCCAACGGAGTATCACGGAATAAGAAATCAAGTATTATGAGAAAGATCAAAGAGAAAGGACGTAC
 TCAACTGAAAACCAAGTCCACCTCAGCCTCCATTAATAATCTGAAACCGGGAACAGTGTATGTTTTTC
 AGATCCGGGCTTCACTGCTGCCGGCTATGAAATACAGCCCTAGGCTGGATGTTGCAACACTAGAGGA
 AGCTTCAGGTAATGTTGAAGCAACAGCGGTGTCCAGTGAACAGAATCCCGTCATCATAATTGCTGTG
 GTGGCTGTAGCAGGACCATCATCTTGGTGTTCATGGTGTTCGGCTTTCATATTGGAAGAAGGCACTGTG
 GTTACAGCAAGGCTGACCAAGAAGGGGATGAAGAACTCTACTTTCAATTTAAATTTCCAGGCACCAAAAC
 CTACATTGACCCTGAAAACCTATGAGGACCCAAATAGAGCTGTCCATCAATTCGCCAAGGAGCTAGATGCC
 TCCTGTATTAATTAAGCGTGTGATTGGTGCAGGAGAATTTGGAGAAGTTTGCAGTGGTCTGTTGAAAC
 TTCCAGGGAAAAGAGATGTTGCAGTGGCTATAAAAACCTGAAAGTTGGTTACACAGAAAAACAAAGGAG
 GGACTTTTTATGCGAAGCAAGCATCATGGGGCAATTTGACCACCCAAATGTCGTCCATTTGGAAGGGGT
 GTTACAAGAGGGAAGCCTGTATGATCGTGATAGAGTTCATGGAGAACGGCGCCCTGGATGCATTTCTCA
 GGAACATGATGGGCAATTTACAGTCAATCAGTTGGTAGGAATGCTGAGAGGAATTGCGGCTGGCATGCC
 CTACTTGGCTGACATGGGATACGTTACAGGGACCTTGCAGCTCGCAACATTTCTGTGAACAGCAATCTT
 GTTTGTAAGAGTCCGATTTTGGCTGTCCCGGTTATAGAGGATGACCCCGAAGCTGTCTACACGACTA
 CTGGTGGAAAAATTCAGTAAGGTGGACTGCCCTGAAGCCATCCAATACCGGAAATTCACCTCAGCCAG
 TGATGTGTGGAGCTATGGGATTGTATGTGGGAAGTAATGCTTATGGAGAACGACCTTATTGGGACATG
 TCGAATCAAGATGTCATTAAGCGATAGAAGAAGTTATCGCTTACCAGCACCCATGGACTGCCAGCTG
 GTCTTACCAGCTAATGCTGGATTGTTGGCAGAAAGAACGGGCAGAGAGGCCAAAGTTTGGAGCAGATAGT
 CGGAATTTAGACAAAATGATTCGAAATCCAAGCAGTCTGAAAACACCCCTGGGAACTTGTAGCAGACCC
 ATAAGCCCTCTTCTGGACCAGAGCACTCCCGACTTCACTGCCTTCTGTTCACTGGGAGAGTGGTTGCAGG
 CTATTAATTAAGAGAGGATAAAGACAACCTTACAGCGGCAGGTTACAACCTCACTCGAGTGGTGGCCCCG
 GATGACCATCGACGATGTGATGAGTTTAGGGATCACACTGGTTGGCCATCAAAGAAGATTATGAGCAGC
 ATCCAGACTATGCGGGCAGAGATGCTGCACTTACACGGAACCGGCATCCAAGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_134331
Insert Size:	2997 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:	NM_134331.1 , NP_599158.1
RefSeq Size:	3208 bp
RefSeq ORF:	2997 bp
Locus ID:	171287
UniProt ID:	P54759
Cytogenetics:	5q21
Gene Summary:	receptor for members of the ephrin-A subfamily of receptor tyrosine kinases; binds with ephrin-A1, -A2, -A3, -A4 and -A5, may mediate developmental effects in the nervous system [RGD, Feb 2006]