

Product datasheet for **RN205739**

Matk (NM_021859) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Matk (NM_021859) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Matk
Synonyms:	Batk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN205739 representing NM_021859
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAACGCAACGCTGGGCCCTGGGACTCAATGTATGACCAAGTGCAGAACTCACGCCCAAGCCCG
GTGAGCTAGCCTTTCGAAAGGGTGACATGGTGACCATCTTGAGGCCCTGTGAGGACAAGAGCTGGTACCG
AGCCAAGCACCACAGCAGTGGGCAGGAAGGGCTGCTGGCGGCTGCTGCTCTGCGACAGAGGGAGGCCCTT
TCCACAGACCCCAAGCTCAGCCTCATGCCATGGTTCCATGGCAAGATTTCCGGTCAGGAAGCCATACAGC
AGCTGCAGCCACCCGAGGATGGGCTGTTCTCGTGAGGGAATCGGCCGTCACCCCTGGTGACTATGTCTT
GTGTGTCAGTTTCGGCCGTGATGTCATCCACTACCGTGTCTTGCATCGAGATGGGCACCTCACCATTGAT
GAGGCCGTGTGTTCTGTAATCTGATGGACATGGTAGAGCACTACACCAGGACAAGGGCGCCATCTGCA
CCAAGCTGGTGAAGCCCAAGAGGAAACAGGGCGCAAAGTCCGCAGAGGAAGAGCTCGCCAAGGCTGGCTG
GCTGCTAGACCTGCAGCATCTGACTCTGGGAGCACAGATTGGAGAGGGAGAGTTTGGAGCCGTCCTGCAG
GGCGAGTACTTGGGACAGAAGGTGGCCGTGAAGAATATAAAGTGTGATGTGACAGCCAGGCCCTTCTGG
ATGAGACGGCTGTGATGACAAAGCTGCAGCACAGGAACCTAGTGCGACTCCTGGGTGTGATCCTGCACCA
CGGCCTGTACATTGTCATGGAACACGTGAGCAAGGGCAACCTGGTGAACCTTCTGCGCACGGGGCCGT
GCGCTTGTGAGCACCTCTCAGCTCCTGCAGTTTGTCTTTCACGTTGTGAAGGCATGGAGTACCTGGAGA
GCAAGAAGCTGGTACACAGGGACCTGGCTGCTCGAAACATCCTGGTCTCTGAGGACTTAGTGCCAAAGGT
CAGTGACTTTGGCCTAGCAAAGGCAGAGCTTAGGAAGGGGCTGGACTCAAGTCCGCTGCCAGTCAAGTGG
ACAGACCCGAGGCTCTCAAAAATGGGAGTTCTCCAGCAAGTCCGATGTCTGGAGTTTGGGGTGTCTAC
TGTGGGAAGTCTTCTCATATGGAAGAGCCCCATACCCCAAGATGTCGCTAAAGGAGGTTTCAGAGGCTGT
GGAGAAGGGTTACCGCATGGAGCCCCCGACAGCTGCCAGGCCCTGTGCATACCCCTCATGGGCAGCTGC
TGGGAGGCTGAGCCCTCGCGCAGACCACGTTCCGCAAAATAGTGGAGAAGCTGGGTGCTGAGCTCCGCA
GTGTGGGCGTCGACGCCCGCCGGGGACAGGAGGCTGAGGGCTCAGCTCCACACGGAGCCAGGACCC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021859

Insert Size: 1404 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:

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_021859.2](#), [NP_068631.1](#)
RefSeq Size: 1670 bp
RefSeq ORF: 1404 bp
Locus ID: 60450
UniProt ID: [P41243](#)
Cytogenetics: 7q11
Gene Summary: a non-receptor protein tyrosine kinase [RGD, Feb 2006]