

Product datasheet for **MC206405**

Plat (BC061508) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plat (BC061508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plat
Synonyms:	tPA, t-PA, MGC18508
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC061508
 AGGAACTCAAGAGCTCAGCGTCAAGGAGAGGCCCTGCAAGAGTGGGAAAGAAGCAAGCACTCTCGGGAC
 ACAGAAGAAACGGGGAGCAAAATGAAGAGAGAGCTGCTGTGTGTACTGCTGCTTTGTGGACTGGCTTTCC
 CATTGCCGTGACCAGGGAATACATGGGAGGTTTCAAGAGAGAGCCCGGTCTACAGAGCGACCTGCAGAGA
 TGAGCCAAACGCAGACAACCTACCAACAGCACCAGTCGTGGCTCCGACCCATGCTCAGAAGCAGCCGGGTG
 GAATATTGCCGGTGCAACAGCGGCTGGTACAATGCCACTCAGTGCCTGCCGAAGTTGCAGCGAACCAA
 GATGCTTCAATGGGGGGACGTGTCAGCAGGCCCTGTATTTCTCTGACTTTGTCTGCCAGTGCCCTGATGG
 ATTTGTAGGGAAACGCTGTGACATAGATACCAGAGCAACATGCTTTGAGGAGCAGGGCATCACCTACAGA
 GGCACGTGGAGCACAGCAGAAAGTGGGGCTGAGTGCATCAACTGGAATAGCAGTGTCTGTGCTGAAGC
 CCTACAATGCAAGGAGGCCAAATGCCATCAAGTGGGCCCTGGGAATCACAATTACTGCAGAAACCCAGA
 CCGAGACTTGAAGCCCTGGTGTATGTCTTAAAGCAGGGAAGTATACCACGGAGTTCTGTAGCACACCA
 GCTTGCCTAAGGAAAAAGCGAGGACTGCTATGTTGGAAAGGTGTGACTTACCGTGGCACCCACAGCC
 TCACCACATCCCAGGCCCTCTGCCTCCCCTGGAATCCATAGTCCCTCATGGGCAAGAGTTACACAGCGTG
 GAGGACCAACTCCAGGCACTCGGCCTGGGCAGACACAATTATTGTCCGAATCCAGATGGTGTGCCAGA
 CCTTGGTGCCATGTGATGAAGGACCGAAAGCTGACGTGGGAATACTGTGACATGTCCCCATGCTCCACCT
 GTGGCCTGAGGCAGTACAACCGGCTCAGTTTAGAATTAAGGAGGACTTACACAGACATCACCTCACA
 CCCTTGGCAGGCTGCCATCTTTGTCAAGAACAAGAGGTCTCTGGAGAGAGATTCTTTGTGGAGGGGTG
 CTGATCAGTTCCTGCTGGGTGCTGTGAGCTGCCACTGCTTTCTAGAGAGGTTCCCCCAATCATCTTA
 AAGTGGTCTTGGGCAGAACATACAGGGTGGTCCCGGAGAGGAAGAACAGACATTTGAGATTGAAAAATA
 CATAGTCCATGAGGAATTTGATGACGATACTTATGACAACGACATCGCATTACTGCAGCTGAGGTACAG
 TCCAAGCAATGTCCCAAGAGAGCAGCTCTGTTGGCACTGCCTGCCTCCCTGACCCCAACCTGCAGCTCC
 CTGACTGGACAGAGTGTGAGCTTTCTGGCTACGGCAAGCATGAGGCATCGTCTCCATTCTCTGACCG
 GCTGAAGGAGGCTCACGTGAGACTGTACCCGTCAGCCGCTCACCTCACAGCATCTGTTAATAAAACC
 GTCACGAACAACATGCTGTGCGCTGGAGACACCCGGAGCGGAGGCAACCAAGACCTCCACGATGCATGCC
 AGGGTACTCGGGAGGCCCTCTGGTGTGCATGATCAATAAACAGATGACATTGACTGGCATTATCAGCTG
 GGGCCTCGGCTGTGGCAGAAAGGATGTGCCTGGGGTCTACACAAAGGTTACGAATTACCTAGACTGGATT
 CACGACAACATGAAGCAATGACAAAGAAAGCCAGCTCCTTCAATCCAGAGGAGGACCTGCCTTCTCTT
 CCTCTTCTACAGAAGATGCGCCTAAAAGGCCAAGCATTCTTTACACCATCATCTTCGTGAGCTGCCACTC
 GGGAGAGGGGAGGGGGTCTTTGGGAGCAGATGTAGCATTACCTGTGACAGGTACTTCACTACTGTAA
 GTTTAAGGATGAAGTCTGGCTTTAGAATAAATCCTGTCAGATGAGATGACAGGGAGATGCCAACCTTC
 CTATAACTCTAGGATTTTAAAAAGAGAGGTAGACCAAAGTCTGCCCTCCTGGTCCACTATGTTGTACT
 GAACCACAAGATCATGTCTCAACAGCAAAAAAATACAACCTTATCTTTACAGGAGTAAAGTTTGCAGTGG
 GGACAAGAATGTGTTTTATAGTTACACAGGGGGCCCCACAGGGCCTCCACGAGAAGGAAGGGGTATCTG
 GCCGAATCACAGCACCATAAAATCCTTGAGATCATGCACTCCCCATCCCTCCACACTCCTCAACTTTGG
 GACATATCCCTTTGTATACAGTGTAAATGTCTTTTCTTTATAAACTCTATAGATGGTGGGAGAAGTGT
 ATGATTTAATAATTGATGAATAACACTAGTATATTTATATTTAATCTATTTTACTTTTACTTTGTTA
 CTATAACTTTGTATTACTGTACTTAAATAATAAATTCAGAGGTATTTTACAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC061508

Insert Size: 1680 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: [BC061508](#), [AAH61508](#)

RefSeq Size: 2520 bp

RefSeq ORF: 1680 bp

Locus ID: 18791

Cytogenetics: 8 11.42 cM

Gene Summary: This gene encodes a key enzyme of the fibrinolytic pathway. The encoded protein undergoes proteolytic processing by plasmin to generate a heterodimeric serine protease that cleaves the proenzyme plasminogen to produce plasmin, a protease that is required to break down fibrin clots. Additionally, the encoded protein is involved in other biological processes such as synaptic plasticity, cell migration and tissue remodeling. Mice lacking the encoded protein display a reduction in long-term potentiation in hippocampus and conversely, transgenic mice overexpressing the encoded protein have increased and prolonged long-term potentiation. [provided by RefSeq, Jul 2015]