

Product datasheet for **MC221606**

Maats1 (NM_001081025) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maats1 (NM_001081025) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Maats1
Synonyms:	4932425I24Rik; Aat1; CFAP91; Spata26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221606 representing NM_001081025
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCAGACAGTGACCATCCAGGAACCCAGGCCAATGATCAGAGGATTCCGTATCAATGCAGAGAGG
 TCGGAGGGCCAAGGGCGGATTCGCAATCGAAGTACGATTACCTGTACGACCCGTTATTTATTGTGTC
 GAGTGAGCGAGACCATGCACAGGCCAATATCCAAGCCACCCTGATTGCAAGCAGACTGAAAAAGTTCC
 AACTTTCCGGTCCATGTTTCAGTAACCTGTTTCATCACCCAAGATACTCTATGTACTGGAGCAAGACAGACC
 CTGTCCCCTTGCACGTCCTCGAGAGTGGAGGGGACAAGAAGCCAAACAAAGAAGTACTCCGGCTTCA
 AGCTGCGATGGACACTTCTTTCCAGATGCCAAGGAAAAGGATGAAGATCCGGATGTTTCTGAAAGAAC
 CGCTATAAGTTCTTTGACAGGCCCTTCTGCCATTTCTCAACAGATGCCCTTGAACGTTGTTTTATCAC
 CAGTCAAGACACAACCCTTCTTCTACTCCCGAGTCTTCAAGTACGCAATCATCCCTACCAAGTCCAC
 TGTGGCCACTCAGACTGATTACCGGGATGCAGACGTTCAAACAGATCCATACTCTCCAGAATATGTCGTG
 TGCAAGACACCATCCCTGAGCTTTGACCCTGGCTAATCTGACTTGGGGCCGAGGTCTCCAGCAGGAC
 AAGCTGAGGTGGAATAATAGAGCGGGCCCGGAGAAGCGAGCTTGGGAAGCCACTCTGCCCCACTGAA
 TGACAGTGTCCAGGCTGAGAAGAGGAGGAAGATGATGAACGCCATGGAGAGGAAGGAGTGGGCCCTCAGA
 GAAGGAGAGATTGAGAACTGCAGGAAGTGCAGCTGGAGGTTTTGAAACAGTTGCTGAAGAGGCGTGAGG
 AGGACCAGAATGAGCTGAACATGAGGCACCTGAACGATCAGTGGTATAAACTGCAGGAAGCCAAGGAGGC
 CAAAGTGGCGCAGATCCGTCACAAGCATGTATCAGACATCAGAAAACCTATGGGAAAGGGGAAGAACATA
 GAAGGGAAGCTGCAGCGGAGAGACATCATCTCGGACTACTCTAACTTTGCATCTCAGGTCATGGACCTC
 TGCTCGCCTTGGCCGTTTCCAGACAACAACCTCAGAGGACTTTGTAGTCAGAAAACCTATCTCAACAC
 CTATGAAGGATTAGTGGAACTTGAATCATCCCTCCCGATTTTGTGACACAGCCAAGGATCAAACCTCCA
 AAGCCCCAAATCATTACCACCAAGGCCGCTTTCTGAAGAGGACAGCCAGGATGGACTATGAGTTGGCAG
 AAGTTCACAAGGCACTAGTGGATAAGAAGAATAAAGGTCTAGAAGGAACGAAATCTCTGCGATTCTGCA
 AAAAAATCCCCTCTCAGGCTCGGCTTCAACCCCTCCTTGGAAATGACTTCTATGAAGAAGGAGAA
 ATAGAAATGGCTGTGATCTACTTGCAGAAGCTACTCCGGGCAGAGTCGTGCAGAACATGATGTTTGAGG
 GCAAGGAGAAGCGGCTGGAGTTGATCCTGGAGTTGCGCACCAGCCATGCCCTGCAAGAGGATGACAAGCT
 AGTGAAGAAAGCAGAGAAGCAAGTGACCCTGGCTCTGCAGCGCAAAGGAACCTGCATGAGGACAAGTTG
 TCAGTGATTGAAAACCACTTGGGTGACCTGGAAGGAAGAGTGCTGGCGGATATGTTGCACTTCTGTCCA
 AAGAGCTGGTGAGTTGCAGGAGGAGAGGATCCACGCTTCCCATGCTGGCTGAGGCCAACGGCG
 CATGCGGGAGGCAGAAGAGAGCGGTGCGCGCCAGGTGGAGCAAAAGCGCCTGCAGCAAGAGGACATGATA
 TTCAAGGAGGTGATTAAGTTACCAAAGTACGGTAACTCCTACCTGGAAGACATCATACTGAACACCG
 AGGAGAGAACTGCAGAGGAACAAGCCAGAAAAGAAATCGAGAAGATCGCTGAGGAGATCAACAACATCGC
 TTATGAAATGGAGAACCGCCAACCTACCTCAGTCAAGGAGATTGTTGCAGAGCTGGTTTACAGTTTT
 CTCATCCCAGAGGTACAAAAGACTTTGTCAAAGAGAAAGTGAGGAATGCGCAGCGGAAGCACATCCTGG
 CAGCCCATGAGATCATTACAGCAACACCGAAACGATGCTGGAGGAGCAAGTCTATAAGGAACTGCAGTC
 AGAGGACTTTGAGCTAGAGGAGGAGGCTGAGAGCCTAGACTCTGAGGTGCCAACTGTCTCAGTCTCTAAA
 ACATCAACTATAAACCTACTCAGGATGAGGGAGAAGGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001081025
Insert Size: 2352 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_001081025.1 , NP_001074494.1
RefSeq Size:	2765 bp
RefSeq ORF:	2352 bp
Locus ID:	320214
UniProt ID:	Q8BRC6
Cytogenetics:	16 B3
Gene Summary:	May regulate cilium motility through its role in the assembly of the axonemal radial spokes (By similarity). May play a role in spermatogenesis (PubMed:12223483).[UniProtKB/Swiss-Prot Function]