

## Product datasheet for **MC218807**

### **Ids (NM\_010498) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ids (NM_010498) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ids
Synonyms:	AW214631
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218807 representing NM\_010498  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGCCGCCGCCGCCGCCCTATCTGGCGGCAGCTTACGTTACAGTTGTTGCTAGGCTCCTTCTGCA  
 TCGCCCTGGAGTCCGCAGCGCAAGGCAACTCTGCTACAGATGCTCTGAACATCCTTCTGATCATTGTGGA  
 TGATCTCCGCCCTCCCTGGGCTGTTATGGAGACAAGCTAGTGAGGTCCCGAACATTGACCAGCTGGCA  
 TCCCATAGCGTTCTTTTTCAGAATGCCTTTGCTCAGCAAGCAGTGTGCGCACCAAGTCGAGTGTCTTCC  
 TCACCGGGAGGAGGCTGACACCACCCGCTGTATGACTTCAATTCCTACTGGAGGTACATTCTGGAAA  
 TTTTCCACCATCCCCAATACTTCAAGGAGAATGGCTACGTGACCATGTCGGTTGGGAAAGTCTTTCAC  
 CCTGGTATATCTCCAATCACAGTGATGATTATCCATATAGCTGGTCTTTTCCACCTTATCATCCATCCT  
 CAGAGAAATATGAAAACACTAAGACGTGAAGGGACAAGATGGAAAACCTCCACGCCAATCTGCTTTGTCC  
 TGTCGATGTGGCAGATGTGCTGAAGGTACCTTGCTGACAAACAGAGCAGAGAAGAAGCCATCAGTTG  
 TTGGAAAAGATGAAGACATCAGCTAGTCTTTCTTCTGGCAGTTGGGTACCACAAGCCGATATCCCTT  
 TCAGATACCCCAAGGAATTTTTCAGAAGTTGTATCCCTTGGAAAACATAACCCTGGCTCCTGATCCCATGT  
 TCCTGATAGCCTACCACCTGTAGCCTACAACCCCTGGATGGATATCAGGGAGAGGGAAGATGTCCAAGCC  
 TTAACATCAGTGTTCCCTATGGACCAATTCCTGAGGATTTTCAGCGGAAAATCCGCCAGAGCTACTTTG  
 CTTCTGTGTCCTATTTGGATACTCAGGTTGGACATGTTTTGAGTGCTTTGGATGATCTTCGTCTAGCCCA  
 CAACACAATTATGCTTTCACATCTGATCACGGATGGCCCTAGGTGAACACGGAGAATGGGCCAAGTAC  
 AGCAACTTTGATGTTGCTACCCGTGTGCCCTGATGCTCTATGTCCTGGAAGGACGGCCCACTTCCTG  
 CGGCAGGCCAGAAGCTCTTTCCATACCGGGACCCCTTTGATCCGGCCTCGGATTGGATGGATGCAGGCAG  
 GCACACCGAGGACCTCGTAGAAGTTGTATCTCTCTTCCACGCTCGCTGGACTTGCAGGACTGCCAGTT  
 CCTCCTCGGTGCCCATCCCTTCTTTTCATGTTGAGCTTTGCAGAGAAGGCCAGAATCTTCAGAAGCATT  
 TGCAGCTCCATGACTTGGAAAGAGGAGCCAGACTTGTGGTAATCCCGGGAGTTGATCGCCTATAGCCA  
 GTACCCCGGCCCTGCAGATTTCCCTCAGTGGAATTCTGACAAGCCAAGCTTAAATGATATAAAGGTCATG  
 GGATATTCTATACGCACTGTAGACTACAGGTACACTGTGTGGTTGGCTTCGATCCTAGTGAATTTCTGG  
 CTAACCTTTCTGATATCCATGCCGGGAACTCTATTTTGTGATTCTGACCCACTGCAGGATCACAATGT  
 ATATAATGACTCCCAACATGGAGGTCTTCTCCACTCACTGAGGCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_010498  
**Insert Size:** 1659 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_010498.3](#), [NP\\_034628.2](#)

**RefSeq Size:** 4988 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 15931

**UniProt ID:** [Q08890](#)

**Cytogenetics:** X 36.01 cM

**Gene Summary:** Required for the lysosomal degradation of heparan sulfate and dermatan sulfate. [UniProtKB/Swiss-Prot Function]