

## Product datasheet for **MC222331**

### **Sulf2 (NM\_028072) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sulf2 (NM_028072) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sulf2
Synonyms:	2010004N24Rik; AU020235; mKIAA1247; MSulf-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222331 representing NM\_028072  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCACCCCCTGGCCTGCCACTATGGCTGCTGCCACCCTCTCCTCTCCCTGCTGGCTGGCAGCTCGG  
 CCTTCTCTCCATCCCCGCTGAAGGGACGCTTCCAGAGGGACCGCAGGAACATCCGGCCAACATCAT  
 CTTGGTGTTACGGATGACCAGGATGTGGAGCTGGGCTCCATGCAAGTGATGAACAAGACAGGCGTATC  
 ATGGAGCAGGGCGGGGCGCACTTCATCAATGCCTTCGTGACTACACCAATGTGCTGTCCGCTCTCGCTCT  
 CCATTCTACCGGCAAGTACGTCCACAACCACAACACCTACACCAACAATGAGAATTGTTCTCGCCCTC  
 CTGGCAGGCCAGCAGAGAGCCGACCTTCGCCGTGTATCTCAACAGCAGAGGCTACGGGACAGCTTTC  
 TTCGAAAATACCTCAATGAGTACAACGGCTCATACGTGCCGCCCGGCTGGAAGGAGTGGTTCGGCTAC  
 TTAAGAACTCCCCTTTATAACTACACACTCTGCCGGAATGGGTGAAGGAGAAACATGGCTCAGACTA  
 CTCACCGATTACCTCAGGATCTCATACCAATGACAGTGTGAGCTTCTCCGAACATCCAAGAAGATG  
 TACCCACACAGGCCCGTCTCATGGTATCAGCCACGCGGCTCCCATGGCCCGAGGACTCAGCACCCC  
 AGTACTCACGGCTCTTCCCAATGCGTCCCAGCACATCACACCGAGTTACAACATGACCCAACCCAGA  
 CAAGCATTGGATCATGCGCTACACGGGACCCATGAAGCCATTACATGGAATTCACCAACATGCTACAA  
 CGAAAACGCTACAGACCCTCATGTCTGTGGATGACTCCATGGAGACGATCTATGACATGCTGGTGGAGA  
 CGGGGGAGCTGGACAACAGTACATCCTGTACACCGCCGACCACGGCTACCACATTGGCCAGTTTGGGCT  
 GGTGAAGGGCAAGTCTATGCCGTATGAATTCGACATCAGAGTCCCGTTCTACGTGAGGGGCCCAACGTG  
 GAAGCTGGCTCTCTGAACCCCAACATTGTCTCAACATTGACCTGGCCCCACCATACTGGATATCGCTG  
 ACTGGACATCCCTGCAGACATGGACGGGAAGTCTATTCTCAAACACTGGACTCAGAGCGGCCAGTGA  
 CCGGTTCCACTTGAAAAAGAAGCTGAGGGTCTGGCGAGACTCCTTCTGTGGAGAGAGGCAAACTGCTC  
 CACAAGAGGGAGGGTGACAAAGTGAATGCCAGGAGGAGAACTTCTGCCCAAGTACCAGCGCTGAAGG  
 ACCTGTGTGAGCAGCTGAGTACCAGACAGCATGCGAACAGCTGGGGCAGAAAGTGGCAGTGTGTGGAGGA  
 CGCTTCTGGGACGCTGAAGCTGCACAAATGTAAGGCCCATGCGGTTTGGTGGCGGCGGTGGCAGCAGA  
 GCCCTCTCAACCTGGTGCCCAAGTATGACGGCCAGAGCAGCGAGGCTGCAGCTGTGACAGTGGCGGTG  
 GAGGGGACTACAACTGGCCTGGCTGGACGCCGTAAGCTCTTTAAGAAAAAGTAAAGACCAGCTATGC  
 CCGGAACCGCTCCATCCGTTCCGTGGCCATCGAGGTGGACGGTGAATATACCACGTAGGCTTGGATACT  
 GTGCCACAGCCCGCAACCTTAGCAAGCCGCACTGGCCAGGGGCCCTGAAGACCAAGATGACAAGGATG  
 GTGGCAGTTTCAGTGGTACTGGTGGCCTTCCAGATTATTCGCCCCAATCCCATCAAAGTGACCCATCG  
 GTGCTACATCCTTGAGAATGACACAGTCCAGTGGCAGCTTGGACCTGTACAAGTCCCTGCAGGCTTGGAAA  
 GACCACAAGCTGCACATCGACCATGAGATCGAAACCTGCAGAACAAAATTAAGAACCTTCGAGAAGTCA  
 GGGGTACCTGAAGAAGAAGCGACCGGAAGAATGTGACTGCCATAGAATCAGTTACCACAGCCAACACAA  
 AGGCCGTCTAAGCACAAGGCTCCAGCCTGCACCCTTTCAGGAAGGGTCTGCAGGAGAAGGACAAGGTG  
 TGGCTGCTGCGGGAGCAGAAACGCAAGAAGAACTGCGCAAGCTGCTCAAACGGCTGCAGAACACGATA  
 CGTGCAGCATGCCCGCCTCACGTGCTTACCCACGACAACCACCACTGGCAGACGGCGCCACTCTGGAC  
 GCTGGGGCCGTTCTGCGCCTGCACCAGCGCCAACAACAACAGTACTGGTGTGTTGAGGACCATAAATGAG  
 ACCCACAACCTTCTTCTGCGAATTTGCAACCGGCTTCATAGAATACTTTGACCTCAGTACAGACCCCT  
 ACCAGCTGATGAACGCGGTGAACACACTGGACAGGGACGTCTTAACCAACTGCACGTGCAGCTCATGGA  
 GCTAAGGAGCTGTAAAGGCTACAAGCAGTGCAACCCCGGACCCGCAACATGGACCTGGGGCTTAGAGAC  
 GGAGGAAGCTATGAACAAACAGGCAGTTTCAGCGTCGAAAATGGCCAGAAATGAAGAGACCTTCTTCCA  
 AATCACTGGGACAGCTATGGGAAGTTGGGAAGGCT**TAA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_028072  
**Insert Size:** 2628 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028072.5</a> , <a href="#">NP_082348.2</a>
<b>RefSeq Size:</b>	3790 bp
<b>RefSeq ORF:</b>	2628 bp
<b>Locus ID:</b>	72043
<b>UniProt ID:</b>	<a href="#">Q8CFG0</a>
<b>Cytogenetics:</b>	2 H3
<b>Gene Summary:</b>	<p>Exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity. It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 4 all encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>