

Product datasheet for **MC229157**

Sulf2 (NM_001252579) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sulf2 (NM_001252579) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sulf2
Synonyms:	2010004N24Rik; AU020235; mKIAA1247; MSulf-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229157 representing NM_001252579
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAAATCCTGAGGGAAGAGGGAAGGAATCCCATCCTCACGACACCCTCGGCCTCTGCATCCAGG
 AAGAAGCAAAGGACCAGCAAGCCACGCCAATGGCACCCCTGGCCTGCCACTATGGCTGCTGCCCGC
 TCTCCTCTCCCTGCTGGCTGGCAGCTCGGCCTTCTCTCCCATCCCCGCCTGAAGGGACGCTTCCAGAGG
 GACCGCAGGAACATCCGGCCCAACATCATCTTGGTGCTTACGGATGACCAGGATGTGGAGCTGGGCTCCA
 TGCAAGTGATGAACAAGACAAGGCGTATCATGGAGCAGGGCGGGGCGCACTTCATCAATGCCTTCGTGAC
 TACACCAATGTGCTGTCCGTCTCGCTCCTCCATTCTCACCGCAAGTACGTCCACAACCACAACACCTAC
 ACCAACAAATGAGAATTGTTCTCGCCCTCTGGCAGGCCAGCACGAGAGCCGCACCTTCGCGGTGTATC
 TCAACAGCACAGGCTACCGGACAGCTTTCTTCGAAAAATACCTCAATGAGTACAACGGCTCATACGTGCC
 GCCCGGCTGGAAGGAGTGGTTCGGCCTACTTAAGAACTCCGCTTTTATAACTACACACTCTGCCGGAAT
 GGGGTGAAGGAGAAACATGGCTCAGACTACTCCACGGATTACCTCACGGATCTCATCACCAATGACAGTG
 TGAGCTTCTTCCGAACATCCAAGAAGATGTACCCACACAGGCCCGTGCTCATGGTCATCAGCCACGCGGC
 TCCCCATGGCCCCGAGGACTCAGCACCCAGTACTCACGGCTCTTCCCCAATGCGTCCCAGCACATCACA
 CCGAGTTACAACATATGCACCCAACCCAGACAAGCATTGGATCATGCGCTACACGGGACCCATGAAGCCCA
 TTCACATGGAATTCACCAACATGCTACAACGAAAACGCCACAGACCCTCATGTCTGTGGATGACTCCAT
 GGAGACGATCTATGACATGCTGGTGGAGACGGGGAGCTGGACAACACGTACATCCTGTACACCGCCGAC
 CACGGCTACCACATTGGCCAGTTTGGGCTGGTGAAGGGCAAGTCTATGCCGTATGAATTCGACATCAGAG
 TCCCGTTCTACGTGAGGGGCCCAACGTGGAAGCTGGCTCTCTGAACCCCACTTTGCTCAACATGTA
 CCTGGCCCCCACCATACTGGATATCGCTGGACTGGACATCCCTGCAGACATGGACGGGAAGTCTATTCTC
 AAATACTGGACTCAGAGCGGCCAGTGAACCGTTCCACTTGAAAAAGAAGCTGAGGGTCTGGCGAGACT
 CCTTCTGGTGGAGAGAGGCAAACCTGCTCCACAAGAGGGAGGGTGACAAAGTGAATGCCAGGAGGAGAA
 CTTCTGCCCAAGTACCAGCGCTGAAGGACCTGTGTACGCGAGCTGAGTACCAGACAGCATGCGAACAG
 CTGGGGCAGAAGTGGCAGTGTGTGGAGGACGCTTCTGGGACGCTGAAGCTGCACAAATGTAAGGCCCA
 TGCGGTTTGGTGGCGCGGTGGCAGCAGAGCCCTCTCAAACCTGGTGCCCAAGTATGACGGCCAGAGCAG
 CGAGGCCCTGCAGCTGTGACAGTGGCGGTGGAGGGGACTACAACTGGGCCTGGCTGGACGCCGTAAGCTC
 TTTAAGAAAAAGTATAAGACCAGCTATGCCCGGAACCGCTCCATCCGTTCCGTGGCCATCGAGGTGGACG
 GTGAGATATACCAGTAGGCTTGGATACTGTGCCTCAGCCCCGCAACCTTAGCAAGCCGCACTGGCCAGG
 GGCCCCGAAGACCAAGATGACAAGGATGGTGGCAGTTTCACTGGTACTGGTGGCCTTCCAGATTATTCT
 GCCCCCAATCCCATCAAAGTGACCCATCGGTGCTACATCCTTGAGAATGACACAGTCCAGTGGCAGTTGG
 ACCTGTACAAGTCCCTGCAGGCTTGAAAGACCACAAGCTGCACATCGACCATGAGATCGAAACCCCTGCA
 GAACAAAATTAAGAACCTTCGAGAAGTCAGGGGTACCTGAAGAAGAAGCGACCCGGAAGAATGTGACTGC
 CATAGAATCAGTTACCACAGCCAACACAAGGCCGTCTCAAGCACAAAGGCTCCAGCCTGCACCCCTTCA
 GGAAGGGTCTGCAGGAGAAGGACAAGGTGTGGCTGCTGCGGGAGCAGAAACGCAAGAAGAACTGCGCAA
 GCTGCTCAAACGGCTGCAGAACAACGATACGTGCAGCATGCCCGCCTCACGTGCTTTACCCACGACAAC
 CACCACTGGCAGACGGCCACTCTGGACGCTGGGGCCGTTCTGCGCCTGCACCAGCGCCAACAACAACA
 CGTACTGGTGCTTGGAGACCATAAATGAGACCCACAACCTCCTCTTCTGCGAATTTGCAACCGGCTTCAT
 AGAATACTTTGACCTCAGTACAGACCCCTACCAGCTGATGAACGCGGTGAACACACTGGACAGGGACGTC
 CTTAACCAACTGCACGTGCAGCTCATGGAGCTAAGGAGCTGTAAGGCTACAAGCAGTGAACCCCGGA
 CCCGCAACATGGACCTGGGGCTTAGAGACGGAGGAAGCTATGAACAATACAGGCAGTTTCAGCGTCGAAA
 ATGGCCAGAAATGAAGAGACCTTCTTCAAATCACTGGGACAGCTATGGGAAGTTGGGAAGGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001252579

Insert Size:	2727 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001252579.1, NP_001239508.1</u>
RefSeq Size:	3794 bp
RefSeq ORF:	2727 bp
Locus ID:	72043
UniProt ID:	<u>Q8CFG0</u>
Cytogenetics:	2 H3
Gene Summary:	<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 (3) differs in the 5' UTR and uses an alternate upstream start codon compared to variant 1. The encoded isoform (2) is longer and has a distinct N-terminus compared to 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>