

Product datasheet for **MC229095**

Sulf2 (NM_001252578) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sulf2 (NM_001252578) 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: >MC229095 representing NM_001252578
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACCCCCTGGCCTGCCACTATGGCTGCTGCCACCCTCTCCTCTCCCTGCTGGCTGGCAGCTCGG
 CCTTCTCTCCATCCCCGCTGAAGGGACGCTTCCAGAGGGACCGCAGGAACATCCGGCCAACATCAT
 CTTGGTGTTACGGATGACCAGGATGTGGAGCTGGGCTCCATGCAAGTGATGAACAAGACAGGCGTATC
 ATGGAGCAGGGCGGGGCGCACTTCATCAATGCCTTCGTGACTACACCAATGTGCTGTCCGCTCTCGCTCT
 CCATTCTACCGGCAAGTACGTCCACAACCACAACACCTACACCAACAATGAGAATTGTTCTCGCCCTC
 CTGGCAGGCCAGCAGAGAGCCGACCTTCGCCGTGTATCTCAACAGCACAGGCTACGGGACAGCTTTC
 TTCGAAAATACCTCAATGAGTACAACGGCTCATACGTGCCGCCCGGCTGGAAGGAGTGGTTCGGCTAC
 TTAAGAACTCCCCTTTATAACTACACACTCTGCCGGAATGGGTGAAGGAGAAACATGGCTCAGACTA
 CTCACCGATTACCTCAGGATCTCATACCAATGACAGTGTGAGCTTCTCCGAACATCCAAGAAGATG
 TACCCACACAGGCCCGTCTCATGGTATCAGCCACGCGGCTCCCATGGCCCCGAGGACTCAGCACCCC
 AGTACTCACGGCTCTTCCCAATGCGTCCCAGCACATCACACCGAGTTACAACATGACCCAACCCAGA
 CAAGCATTGGATCATGCGCTACACGGGACCCATGAAGCCATTACATGGAATTCACCAACATGCTACAA
 CGAAAACGCTACAGACCCTCATGTCTGTGGATGACTCCATGGAGACGATCTATGACATGCTGGTGGAGA
 CGGGGGAGCTGGACAACAGTACATCCTGTACACCGCCGACCACGGCTACCACATTGGCCAGTTTGGGCT
 GGTGAAGGGCAAGTCTATGCCGTATGAATTCGACATCAGAGTCCCGTTCTACGTGAGGGGCCCAACGTG
 GAAGCTGGCTCTCTGAACCCCAACATTGTCTCAACATTGACCTGGCCCCCACCATACTGGATATCGCTG
 ACTGGACATCCCTGCAGACATGGACGGGAAGTCTATTCTCAAACACTGGACTCAGAGCGGCCACTGAA
 CCGGTTCCACTTGAAAAAGAAGCTGAGGGTCTGGCGGAGACTCCTTCTGTTGGAGAGAGGCAAACTGCTC
 CACAAGAGGGAGGGTGACAAAGTGAATGCCAGGAGGAGAACTTCTGCCCAAGTACCAGCGCTGAAGG
 ACCTGTGTGAGCAGCTGAGTACCAGACAGCATGCGAACAGCTGGGGCAGAAAGTGGCAGTGTGTGGAGGA
 CGCTTCTGGGACGCTGAAGCTGCACAAATGTAAGGCCCATGCGGTTTGGTGGCGGCGGTGGCAGCAGA
 GCCCTCTCAACCTGGTGCCCAAGTATGACGGCCAGAGCAGCGAGGCTGCAGCTGTGACAGTGGCGGTG
 GAGGGGACTACAACTGGCCTGGCTGGACGCCGTAAGCTCTTTAAGAAAAAGTAAAGACCAGCTATGC
 CCGGAACCGCTCCATCCGTTCCGTGGCCATCGAGGTGGACGGTGAAGTATACCACGTAGGCTTGGATACT
 GTGCCACAGCCCGCAACCTTAGCAAGCCGCAGTGGCCAGGGGCCCTGAAGACCAAGATGACAAGGATG
 GTGGCAGTTTCACTGGTACTGGTGGCCTTCCAGATTATTCGCCCCAATCCCATCAAAGTGACCCATCG
 GTGCTACATCCTTGAGAATGACACAGTCCAGTGGCAGCTTGGACCTGTACAAGTCCCTGCAGGCTTGGAAA
 GACCACAAGCTGCACATCGACCATGAGATCGAAACCTGCAGAACAAAATTAAGAACCTTCGAGAAGTCA
 GGGGTACCTGAAGAAGAAGCGACCGGAAGAATGTGACTGCCATAGAATCAGTTACCACAGCCAACACAA
 AGGCCGTCTAAGCACAAGGCTCCAGCCTGCACCCTTTCAGGAAGGGTCTGCAGGAGAAGGACAAGGTG
 TGGCTGCTGCGGGAGCAGAAACGCAAGAAGAACTGCGCAAGCTGCTCAAACGGCTGCAGAACACGATA
 CGTGCAGCATGCCCGCCTCACGTGCTTACCCACGACAACCACCACTGGCAGACGGCGCCACTCTGGAC
 GCTGGGGCCGTTCTGCGCCTGCACCAGCGCCAACAACAACAGTACTGGTGTGTTGAGGACCATAAATGAG
 ACCACAACCTTCTCTTCTGCGAATTTGCAACCGGCTTCATAGAATACTTTGACCTCAGTACAGACCCCT
 ACCAGCTGATGAACGCGGTGAACACACTGGACAGGGACGTCTTAACCAACTGCACGTGCAGCTCATGGA
 GCTAAGGAGCTGTAAAGGCTACAAGCAGTGAACCCCCGACCCGCAACATGGACCTGGGCTTAGAGAC
 GGAGGAAGCTATGAACAAACAGGCAGTTTCAGCGTCGAAAATGGCCAGAAATGAAGAGACCTTCTTCCA
 AATCACTGGGACAGCTATGGGAAGTTGGGAAGGCT**TAA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001252578

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| Insert Size: | 2628 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_001252578.1</u> , <u>NP_001239507.1</u> |
| RefSeq Size: | 3948 bp |
| RefSeq ORF: | 2628 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 (1) represents the longest transcript. Variants 1, 2, and 4 all encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |