OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC229095

Sulf2 (NM_001252578) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sulf2 (NM_001252578) 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)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>MC229095 representing NM_001252578
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACCCCCTGGCCTGCCACTATGGCTGCTGTCCACCGCTCTCCTCTCCCTGCTGGCTGGCAGCTCGG
CCTTCCTCTCCCATCCCCGCCTGAAGGGACGCTTCCAGAGGGACCGCAGGAACATCCGGCCCAACATCAT
CTTGGTGCTTACGGATGACCAGGATGTGGAGCTGGGCTCCATGCAAGTGATGAACAAGACAAGGCGTATC
ATGGAGCAGGGCGGGGCGCACTTCATCAATGCCTTCGTGACTACACCAATGTGCTGTCCGTCTCGCTCCT
CCATTCTCACCGGCAAGTACGTCCACAACCACAACACCTACACCAACAATGAGAATTGTTCCTCGCCCTC
CTGGCAGGCCCAGCACGAGAGCCGCACCTTCGCCGTGTATCTCAACAGCACAGGCTACCGGACAGCTTTC
TTCGGAAAATACCTCAATGAGTACAACGGCTCATACGTGCCGCCCGGCTGGAAGGAGTGGGTCGGCCTAC
TTAAGAACTCCCGCTTTTATAACTACACACTCTGCCGGAATGGGGTGAAGGAGAAACATGGCTCAGACTA
CTCCACGGATTACCTCACGGATCTCATCACCAATGACAGTGTGAGCTTCTTCCGAACATCCAAGAAGATG
TACCCACACAGGCCCGTGCTCATGGTCATCAGCCACGCGGCTCCCCATGGCCCCGAGGACTCAGCACCCC
AGTACTCACGGCTCTTCCCCAATGCGTCCCAGCACATCACACCGAGTTACAACTATGCACCCAACCCAGA
CAAGCATTGGATCATGCGCTACACGGGACCCATGAAGCCCATTCACATGGAATTCACCAACATGCTACAA
CGAAAACGCCTACAGACCCTCATGTCTGTGGATGACTCCATGGAGACGATCTATGACATGCTGGTGGAGA
CGGGGGAGCTGGACAACACGTACATCCTGTACACCGCCGACCACGGCTACCACATTGGCCAGTTTGGGCT
GGTGAAGGGCAAGTCTATGCCGTATGAATTCGACATCAGAGTCCCGTTCTACGTGAGGGGCCCCAACGTG
GAAGCTGGCTCTCTGAACCCCCACATTGTCCTCAACATTGACCTGGCCCCCACCATACTGGATATCGCTG
GACTGGACATCCCTGCAGACATGGACGGGAAGTCTATTCTCAAACTACTGGACTCAGAGCGGCCAGTGAA
CCGGTTCCACTTGAAAAAGAAGCTGAGGGTCTGGCGAGACTCCTTCCTGGTGGAGAGAGGCAAACTGCTC
CACAAGAGGGAGGGTGACAAAGTGAATGCCCAGGAGGAGAACTTCCTGCCCAAGTACCAGCGCGTGAAGG
ACCTGTGTCAGCGAGCTGAGTACCAGACAGCATGCGAACAGCTGGGGCAGAAGTGGCAGTGTGTGGAGGA
CGCTTCTGGGACGCTGAAGCTGCACAAATGTAAAGGCCCCATGCGGTTTGGTGGCGGCGGTGGCAGCAGA
GCCCTCTCCAACCTGGTGCCCAAGTATGACGGCCAGAGCAGCGAGGCCTGCAGCTGTGACAGTGGCGGTG
GAGGGGACTACAAACTGGGCCTGGCTGGACGCCGTAAGCTCTTTAAGAAAAAGTATAAGACCAGCTATGC
CCGGAACCGCTCCATCCGTTCCGTGGCCATCGAGGTGGACGGTGAGATATACCACGTAGGCTTGGATACT
GTGCCTCAGCCCCGCAACCTTAGCAAGCCGCACTGGCCAGGGGCCCCTGAAGACCAAGATGACAAGGATG
GTGGCAGTTTCAGTGGTACTGGTGGCCTTCCAGATTATTCTGCCCCCAATCCCATCAAAGTGACCCATCG
GTGCTACATCCTTGAGAATGACACAGTCCAGTGCGACTTGGACCTGTACAAGTCCCTGCAGGCTTGGAAA
GACCACAAGCTGCACATCGACCATGAGATCGAAACCCTGCAGAACAAAATTAAGAACCTTCGAGAAGTCA
GGGGTCACCTGAAGAAGAAGCGACCGGAAGAATGTGACTGCCATAGAATCAGTTACCACAGCCAACACAA
AGGCCGTCTCAAGCACAAAGGCTCCAGCCTGCACCCTTTCAGGAAGGGTCTGCAGGAGAAGGACAAGGTG
TGGCTGCTGCGGGAGCAGAAACGCAAGAAGAAACTGCGCAAGCTGCTCAAACGGCTGCAGAACAACGATA
CGTGCAGCATGCCCGGCCTCACGTGCTTTACCCACGACAACCACCACTGGCAGACGGCGCCACTCTGGAC
GCTGGGGCCGTTCTGCGCCTGCACCAGCGCCAACAACAACACGTACTGGTGCTTGAGGACCATAAATGAG
ACCCACAACTTCCTCTTCTGCGAATTTGCAACCGGCTTCATAGAATACTTTGACCTCAGTACAGACCCCT
ACCAGCTGATGAACGCGGTGAACACACTGGACAGGGACGTCCTTAACCAACTGCACGTGCAGCTCATGGA
GCTAAGGAGCTGTAAAGGCTACAAGCAGTGCAACCCCCGGACCCGCAACATGGACCTGGGGCTTAGAGAC
GGAGGAAGCTATGAACAATACAGGCAGTTTCAGCGTCGAAAATGGCCAGAAATGAAGAGACCTTCTTCCA
AATCACTGGGACAGCTATGGGAAGGTTGGGAAGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252578

Insert Size: 2628 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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:	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_001252578.1, NP_001239507.1
RefSeq Size:	3948 bp
RefSeq ORF:	2628 bp
Locus ID:	72043
UniProt ID:	Q8CFG0
Cytogenetics:	2 H3
Gene Summary:	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] 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US