

Product datasheet for **RN203716**

Sulf1 (NM_134378) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sulf1 (NM_134378) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sulf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203716 representing NM_134378
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAATTCCTGCTGGGCTCTGCTGCTGGCTGTGCTGGGCGCAGAATTCTGGGAGGCTTCTGCTCCA
 CAATGCGGTCCCAGAGGTTCCGAGGACGGGTGCAGCAGGAACGAAAAACATCAGACCCAATATTATCCT
 TGTGCTCACCGACGACGACGACGTGGAGTTGGGTTCCCTGCAAGTCATGAACAAGACGAGAAAGATCATG
 GAACACGGTGGGGCCACCTTCACCAATGCCTTTGTGACCACGCCCATGTGCTGCCCGTCACGCTCCTCCA
 TGCTCACTGGGAAGTACGTGCATAACCACAACGTCTACACCAACAATGAGAACTGCTCTTCTCCCTCGTG
 GCAGGCTCTGCATGAGCCTCGGACCTTTGCTGTGTATCTCAACAATACTGGCTACAGAACAGCCTTTTTT
 GGAAAACTACCTCAATGAGTATAACGGTAGCTACATCCCTCCTGGATGGCGAGAATGGCTCGGATTAATCA
 AGAATTCGCGTTTCTATAATTACACTGTTGTGCGCAATGGCATCAAAGAGAAGCACGGCTTTGATTATGC
 AAAGGATTACTTCACAGACTTAATCACTAACGAGAGCATTAACTTCAAAATGTCTAAGAGAATGTAT
 CCCCATAGGCCTGTTATGATGGTGATCAGCCACGACGCGCCACACGGCCCTGAAGACTCTGCCCCACAGT
 TTTCAAACTGTACCCTAATGCCTCCCAACACATAACTCCGAGCTATAACTATGCACCGAACATGGACAA
 ACACTGGATCATGCAGTACACAGGTCCCATGCTGCCTATCCACATGGAGTTCACCAACGTCCTCCAGCGC
 AAACGACTACAGACTCTGATGTCGGTTGATGACTCTGTCGAGAGGCTCTACAACATGCTTGTGGAGACCG
 GGGAACTGGGCAACACGTACATCATCTACACTGCGGACCACGGCTACCACATTGGACAGTTTGGACTGGT
 CAAGGGGAAATCCATGCCCTACGACTTTGACATCCGCGTGCCCTTCTTCATCCGTGGTCCGAGCATAGAA
 CCAGGGTCGATAGTCCCACAGATTGTTCTGAACATTGACCTGGCCCTACCATTCTGGATATTGCCGGTC
 TTGACACTCCTTCTGATGTGGATGGCAAGTCTGTCTGAACTTCTAGACCTGGAAGGCAAGGTAACAG
 GTTTCGAACAAACAAGAAGGCCAAAATCTGGCGTGACACATTCTAGTGGAAGAGGGGAAATTTTACGA
 AAGAAAGAGGAATCCAGCAAGAATATCCAACAATCAAACCACTTGCCCAAATATGAGAGGGTCAAGGAAC
 TGTGCCAGCAGGCCAGATACCAGACAGCCTGTGAGCAGCCTGGGCAAGTGGCAGTGCATCGAGGACAC
 ATCCGGCAAGCTTCAATCCACAAGTGAAGGGACCCAGCGACCTGCTACCGTCCGACAGAACGCACGC
 AACCTCTACTCTCGAGGATTGCAGGACAAAGACAAAGAGTGCCATTGTAGGGAGTCTGGTTATCGCCCGA
 GCAGAAGCCAGAGAAAGAAAGGAGGAGTTCCTGAGGAACAGGGAACACCAAGTATAAGCCAGATT
 TGTGCACACCAGGACAGTCCGTCCTGTCGGTTGAATTCGAAGGTGAAATATATGACATAAATCTGGAG
 GAAGAAGAAATTGAAGTGTACCGCAAGGAGCGTTGCTAAGCGCCATGATGAGGGCCACCAGGGCTTCG
 GAGGCCACCAGGCTGCTGCTGGTGACTTCAGGAATGAGATGCTGGCAGACAGCAACAGTGTGTGGGGTT
 ACCCACCCTGTCCGGGTGACACACAAATGCTTTATTCTTCCAAATGACACAATCCATTGTGAGAGGGAG
 CTGTACCAGTCCGCCAGAGCGTGAAGGACCAAGGCCCTACATCGATAAAGAGATTGAAGTTCTACAGG
 ATAAAAATTAAGAAATTAAGGGAAGTGAAGGGACACCTAAAGAAAAGGAAGCCTGAGGAGTGTAGCTGTGG
 TAAGCAGAGCTATTACAACAAAGAGAAAGGTGTCAAACGACAGGAGAAGCTGAAGAGCCACCTTCACCCC
 TTCAAGGAGGCTGCGGCCAGGAGGTGGACAGCAAACTGCAGCTGTTCAAGGAGCATCGTCGGAGGAAGA
 AGGAGAGGAAGGAGAAGAAACGTGAGAGAAAGGAGAAGAGTGCAGCCTGCCTGGCCTCACCTGCTTCAC
 CCACGACAACAACCACTGGCAGACCGCCCGTTCTGGAATTGGGATCTTCTGTGCATGCACGAGTTCT
 AACAAACAATACTACTGGTGTTTGGGTACGGTCAACGAGACGCACAATTTCTCTTCTGTGAGTTTGCTA
 CTGGCTTTCTGGAGTATTTTGCATGAACACAGATCCTTACCAGCTTACAAACACGGTGCACACGGTAGA
 ACGGGGCATCTTGAATCAGCTACACATACAGCTGATGGAGCTCCGAAGCTGCCAAGGGTATAAACAGTGC
 AACCCAAGACCAAGAGCCTTGACGTTGGAATAAAGAAGGAGGAACTATGACCCACACAGAGGACAGT
 TATGGGATGGATGGGAAGGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_134378
Insert Size: 2613 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).
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:	<u>NM_134378.2</u> , <u>NP_599205.1</u>
RefSeq Size:	4067 bp
RefSeq ORF:	2613 bp
Locus ID:	171396
UniProt ID:	<u>Q8VI60</u>
Cytogenetics:	5q11
Gene Summary:	displays arylsulfatase and/or hydrolase enzyme activity; may catalyze the desulfation of glycosaminoglycans [RGD, Feb 2006]