

Product datasheet for **MG223474**

Sor11 (NM_011436) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sor11 (NM_011436) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sor11
Synonyms: 2900010L19Rik; AI596264; AW261561; gp250; LR11; mSorLA; SorLA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223474 representing NM_011436
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACACGGAGCAGCAGGAGGGAGTCGAGACTCCCTTTCCTATTCGCCCTGGTCGGCTGCTACCC
 CGGGGCTCTCGGCGGGGCTGGACGCAGAGATTGCACGGTGGCCCGGCCCTTGCCCCAGGACCGGG
 CTTCTTCGTGGTGCAGGGCGACCCGCGCATCTCCGGCTAGGAACGCACGGGGATGCCCGGGGCGAGC
 CCGGCGCCAGGAAGCCACTCAGGACCCGGCGAGCGCTGCTCTGCAGCCCCAGCCTATCCAGGTGTATG
 GACAGGTCAGTCTGAATGACTCCACAATCAGATGGTGGTGCACCTGGCCGGAGAGAAAAGCAACGTGAT
 CGTGGCATTAGCCGAGACAGCCTGGCGTTGGCAAGGCCAAGAGCAGTGTGTATGTGCTTACGAC
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 ACAGACTTCTCCAGTCCCGGAAAACCAGGAAGTATCCTGGAGGAAGTGAAGACTTTGAGCTTCGCG
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AGGATGCCTATCCTATCCAAGGAGTCAGCCCCGGTCTCATCATTGCTACCGGCTCTGTGGAAAGAACT
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GATCCTGCTGAGCCTGGGTGTCGGCTTCGCCATCCTCTACACGAAGCACCGTCGTTACAAAGCAGCTTC
AGCGCTTTCGCCAACAGCCACTACAGCTCCAGGCTGGGCTCGGCCATCTTCTCCTCAGGGGATGACCTAG
GAGAGGACGATGAAGATGCTCCCATGATTACTGGATTCTCAGACGATGTCCCATGGTGATAGCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG223474 representing NM_011436
 Red=Cloning site Green=Tags(s)

MATRSSRRESRLPFLFALVALLPRGALGGGWTQRLHGGPAPLPQDRGFFVVGDPDRDLRLGTHGDAPGAS
 PAARKPLRTRRSAALQPQPIQVYGQVSLNDSHNQMVVHWAGEKSNVIVALARDSLALARPKSSDVVYSYD
 YGKSFSKI SEKLNFGVGNNEAVISQFYHSPADNKRYIFV DAYAQYLWITDFDCSTIHGFSIPFRAADLL
 LHSKASNLLLGFDRSHPNKQLWKSDDFGQTWIMI QEHVKFSWGI DPYDQPNAIYIERHEPFGFSTVLR
 TDFQSRENQEVILEEVRDFQLRDKYMFATKVVHLPGSQQSSVQLWVSFGRKPMRAAQFVTKHPINEYY
 IADAAEDQVFCVSHSNSTNL YISEA EGLKFSLSLENVLYSPGGAGSDTLVRYFANEPFADFHRVEGL
 QGVYIATLINGSMNEENMRSVITFDKGGTWEFLQAPAFTGYGEKINCELSQGC SLHLAQLRSLQLLNLQLR
 RMPILSKESAPGLIIATG SVGKNLASKTNVYISSAGARWREALPGPHYTWGDHGGIIMAI AQGMETNE
 LKYSTNEGETWKTFFVSEKPVFVYGLL TEPGEKSTVFTIFGSNKESVHSWLILQVNATDALGVPCTENDY
 KLWSPSDERGNELLGHKTVFKRRTPHATCFNGEDFDRPVVVSNCSTREDYECDFGFKMSEDL SLEVCV
 PDPEFSGKPYSPVPCPVGSSYRTRGRYKISGDTCSGGDVEARLEGELVPCPLAEENEFILYAMRKSIIY
 RYDLASGATEQLPLSGLRAAVALDFDYERNCLYWSDLALDTIQRLCLNGSTGQEVII NSGLETVEALAFE
 PLSQLLYWVDAGFKKIEVANPDGDFRLTIVNSSVLDPRPALVLPQEGVMFWTDWGDLKPGIYRSYMDGS
 AAYRLVSEDEVKWPNGISVDSQWIYWTDAYLDCIERITFSGQQRSVILDSLPHPYAIAVFKNEIYWDWDSQ
 LSIFRASKHSRSQVEILASQLTGLMDMKVFYKGNAGSNACVPQPCSLCLPKANNSKSCRCPEGVASSV
 LPSGDL MDCPCQYQRKNNTCVKEENTCLRNQYRCSNGNCINSIWWCDFDNDCGDMSDERNCPTTVCDAD
 TQFRCQESGTCIPLSYKCDLEDDCGDNSDESHCEMHQCRSDEFNCSGMCIRSSWVCDGDNDCRDWSDEA
 NCTAIYHTCEASNFCCHNGHCIPQRWACDGDADCQDGSDEDPVSCEKKNCFHCPNGTCIPSSKHCDGLR
 DCPDGSDEQHCEPFCTRFMDFVCKNRQQCLFHSMVCDGIVQCRDGSDEDAAFAGCSQDPEFHKECDEFGF
 QCQNGVCISLIWKCDGMDDCGDYSDAENCENPTEAPNCSRYFQFHCENGHCIPNRWKC DREND CGDWSDE
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 SDESDEKACSDELTVYKVQNLQWTADFSGDVTLTWMPKMPASACVYVYVYRVVGESIWKLTLETHSNKT
 STVLKVLKPDTTYQVKVQVHCLNKVHNTNDFVTLRTPEGLPDAPRNLQLSLNSEE EGVILGHWAPPVHTH
 GLIREYIVEYSRSGSKMWASQRAASNSTEIKNLLL NALYTVRVAAVTSRGIGNWSDSKSITTIKGVIIQA
 PNIHIDSYDENSLSFTLTMDGDIKVNQYVNLFWSFDAHKQEKKTL SFRGGSALSHRVSNLTAHTSYEIS
 AWAKTDLGDSPLAFEHILTRGSSPPAPSLKAKAINQTAVECIWTGPKNVVYGYFYATSFLDLYRNPKSVT
 TSLHNKTVIVSKDEQYLFLVRVLI PYQGPSSDYVVVKMIPDSRLPPRHLHAVHIGKTSALIKWESPYDSP
 DQDLFYAIAVKDLIRKTD RSYKVRNRNSTVEYSLSKLEPGGKYHII VQLGNMSKDS SIKITTVSLAPDA
 LKIIITENDHVLLFWKSLALKEKQFNETRGYIEHMSDSAVNLTAYLGNTTDNFFKVSNLKMGHNYFTVQA
 RCLFGSQICGEPVLLYDELSSGADAAVIQAARSTDVAAVVPIILFLILLSLGVGFAILYTKHRRQLQSSF
 SAFANSHYSSRLGSAIFSSGDDLGEDDEDAPMITGFSDDVPMVIA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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:	NM_011436.4
RefSeq Size:	6938 bp
RefSeq ORF:	6648 bp
Locus ID:	20660
UniProt ID:	O88307
Cytogenetics:	9 A5.1
Gene Summary:	Likely to be a multifunctional endocytic receptor, that may be implicated in the uptake of lipoproteins and of proteases. Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. Binds the receptor-associated protein (RAP). Could play a role in cell-cell interaction. May play a role in neural organization, as well as the establishment of embryonic organ systems. Involved in APP trafficking to and from the Golgi apparatus (By similarity). It probably acts as a sorting receptor that protects APP from trafficking to late endosome and from processing into amyloid beta (By similarity). Involved in the regulation of smooth muscle cells migration, probably through PLAUR binding and decreased internalization.[UniProtKB/Swiss-Prot Function]