

Product datasheet for **MG224647**

Adamtsl1 (NM_029967) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Adamtsl1 (NM_029967) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Adamtsl1 |
| Synonyms: | 5930437A14Rik; 6720426B09Rik; ADAMTSL-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG224647 representing NM_029967 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATGCTGCCGTCGGGCAGCTCCTGGCACACCGCTGCTCGTTCTGGCTTTCCTACTCCTGAGTTCCA
GGACTGCACGCTCAGAGGAAGACCGTGAAGGCCTCTGGGATGCCTGGGGCCCTTGGAGCGAGTGTCCAG
AACCTGTGGTGGGGTGCCTCCTATTCCCTGAGACGCTGCCTGAGCAGCAAGAGCTGTGAAGGGAGAAAT
ATTCGATATAGAACATGCAGTAATGTGGACTGCCACCAGAAGCAGGTGATTTCCGAGCTCAACAGTGTT
CTGCTCATAACGACGTC AAGTACCATGGACAGCTTTATGAATGGCTTCCGTATCTAATGACCCCGACAA
TCCATGCTCACTCAAGTGCCAAGCAAAAAGGAACCGCCTGGTTGTGGAAGTAGCACC GAAGTCTTAGAT
GGTACGCGATGCTATACAGAATCACTGGATATGTGCATCAGCGGCCTATGCCAAATTGTTGGCTGTGATC
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GGCAGCAGACACATCCGCCTTGTCTTAAAAGGGCCAGATCATTGTATCTGGAGACCAAGACCCTCCAGG
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GAAACTTCCAGACAAAGAGATACTGAGGATGACTGGGCCACTGACAGCAGATTTTCATCATCAAGATCCAT
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ACGGAGTAACCGTGTGGTGGCCGACCAGTACTGTCACTACTACCCCGAGAACGTCAAGCCAAACCCAAG
CTTCAGGAGTGC AACTTGGATCCTTGTCCAGCCAGGTGGGAGGCCACCCCGTGGACCGCGTGTCTCTCT
CATGTGGGGGGGCATCCAGAGCCGGCAGTTTCTGTGTGGAGGAGACATCCAGGGGCATGCACTTTC
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TTCAAGCAAGCCCAGGAGCTAGAGGAAGGAGCTGCAGTGTCTGAAGAGCCTTCGTTTCATCCCAGAAGCTT
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 TTTCTCTCAGTCTGTGGCTGACCTGCCTGCGGATGAATGCGAAGGGCCTAAGCCAGCATCGCAACGTGCC
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 CCTTACCATCAGAGCAGTGCAGTGCCTCCCCAGGCCCTGAGCACCCAAAACCTGCTGGTGTGAGGCCTG
 CAGTGTACTGAGAGTGCAGCTCTGGACCCTATGCACGGCAACCTGTGGCAACTATGGCTTCCAGTCC
 CGGCGGTGGAGTGTGTTACGTGCGCACCAACAAGGCTGTGCCCGAGCACCTGTGTTCTGGGGCCCC

GGCCCGCAACTGGCAACGCTGCAACGCTCACTCCATGTGAAAACACTGAGTGCAGAGACACCACCAGGTA
 CTGCGAGAAGGTGAGACAGTTGAAACTCTGCCAGCTCGGCCAGTTCGGATCTCGCTGCTGTGAACGCTGT
 GGCAAAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224647 representing NM_029967
 Red=Cloning site Green=Tags(s)

MECCRRAAPGTPLLVLAFLLLSSRTARSEEDREGLWDAWGPWSECSRTCGGGASYSLRRCLSSKSCEGRN
 IRYRTCSNVDCPPEAGDFRAQQCSAHNDVKYHGQLYEWL PVSNDPNDNPCSLKCAKGTSLVVELAPKVLVD
 GTRCYTESLDMCISGLCQIVGCDHQLGSTVKEDNCGVCNGDGSTCRLVRGQYKSQLSASKSDDTVVAIPY
 GSRHIRLVKGPDHLYLETKTLQGTGENSLSSSTGIFLVDNSTVDFQKLPDKEILRMTGPLTADFIIKIH
 DLGPA DSTVQFIFYQPIIHRWRETDFPCSATCGGGYQLTSAECYDLRSNRVVADQYCHYYPENVKPKPK
 LQECNLDPCPARWEATPWTACSSCGGGIQSRAVSCVEEDIQGHVTSVEEWKCMYTPKMPVVQPCNIFDC
 PKWLAQEWSPCTVTCGQGLRVRVVL CIDHRMHTGGCSAKTKPHIKEECIIPTPCYKPREKLP IEAKLPW
 FKQAQEELEGAAYSEEPSFIPAEWSACTVTCGVGTQVRIIRCQVLLPFSQSVADLPADECEGPKPASQRA
 CYAGPCNGETPEFNPDNGDGLLGGQLDEL YDWEYEGFTKCESECGGGVQEA VVSLNKQTRELADENL
 CVTSRRPPQLLKSCNLDPCPARWEIGKWSPCSLTCGVGLQTRDVVCSHLLSREMNEVVLADELCHHPKP
 STVQACNRFNCPAWYPAQWQLCSRTC GGGIQKRDVLCQRMADGSFLELPETFC SASKPTSHQGCKDD
 CPSEWLLSEWSECSVSCGEGTQTRSAICQRVLTGVSTVVNSTLCPPLPSSSIRPCMLATCARPGRPST
 KHSPHIAAARNIYIQTRRQRKLHFVVGGFAYLLPKTTVLRCPTRFRKPLITWEKDGQHSISSAHVTVA
 PFGYLKIHRLKPSDAGIYTC SAGPAREQFVIKLI GGNRKLVARPLSLWSEEEALQVRKTNPKALQTHK
 HQNGIFSNGSKAEKRGLTADPGNRYDDIVSRLLEQGGWP GELLASWEVQDSAERNASSEEDPNAEQALLH
 LPFTMVAEQRLDDILRNL SQQPEELRDL YSKHLVAQLAQDIFRSHLENQDLLPKPSEQRFPMAVPAHK
 HVSGFSSSLRSSGEAGGSRPRHRKPAILRKISAAQQLSASEVVTHLGGQTVALASGTL SVLLHCEAVGN
 PRPTIHWTRNGEAVQFSDRILLQ PDDSLQILAPVEADVGFYTCNATNALGYDSVSI AVTLAGKPLVKT SR
 MTVLNTEKPTVTVDIGGTVRTVRGVNVT INCQVAGVPEAEVTWFRNKSKL GSSSHLHEGSSHLHEGSL L
 LTDVSFSDQGLYSCRAANLHGEQTESTQLLILDPPQVPTQLEDIRALLLATGPNLPSV LMSPLGTQLVLD
 PGNSALLGCPKIGHPTPNITWFQNGQPIATAPGLTHHIWGAGQILRVANL SGGPQGEF SCLAQNEAGTLL
 QKASLVIQDYWWSVDRLATCSASCGNRGIHQPRLRCLLNTTEVDPEHCTGKPRPAVQPVACNRRDCPSRW
 MVT SWSACTRSCGGVQTRRVTCQKLKASGI STPVSNMCSQLAKRPVDTQACNQQLC VEWAFSSWGQCN
 GPCIGPRLAVQHRQVFCQTRDGITLPSEQCSALPRPVSTQNCWSEACSVHWRVSLWTLCTATCGNYGFQS
 RRVECVHVRTNKAVPEHLCSWGPRPANWQRCNVTPCENTECRDTTRYCEKVRQLKLCQLGQFRSRCCGTC
 GKA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

| | |
|------------------------|---|
| ACCN: | NM_029967 |
| ORF Size: | 5259 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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_029967.3 , NP_084243.3 |
| RefSeq Size: | 7839 bp |
| RefSeq ORF: | 5262 bp |
| Locus ID: | 77739 |
| UniProt ID: | Q8BLI0 |
| Cytogenetics: | 4 C4 |