

Product datasheet for **SC322935**

AUTS2 (NM_001127232) Human Untagged Clone

Product data:

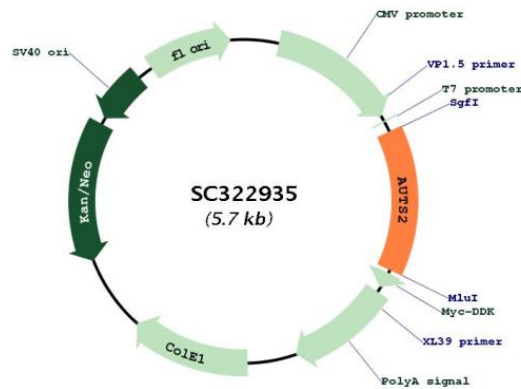
Product Type:	Expression Plasmids
Product Name:	AUTS2 (NM_001127232) Human Untagged Clone
Tag:	Tag Free
Symbol:	AUTS2
Synonyms:	FBRSL2; MRD26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322935 representing NM_001127232. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGATGGCCCGACGCGGGGCCATGGACTCCGCAAAAAGCGGGTTCGCGGTTCGAGCGAGACCGGGAG
AGGCGCTCCCGGGCGGGCTGGGGCGCGCGGGCGGGCGGGCTGGCCGGACCCGGGCGCTC
TCACTCGCTCGTCGTGGGCTCCGACAAGGAACAATGGGAAGCCCCGTCCTCCGCCCGTCCCGG
CCCAGACCCCGCGGAGGAAGCGGAGAGAGTCCACCTCGGCAGAAGAGGACATCATTGATGGATTGCC
ATGACCAGCTTTGTCACTTTTGAAGCGCTGGAGAAAGATGTAGCACTTAAGCCTCAGGAACGTGTGGAG
AAACGCCAGACGCCCTGACCAAGAAGAAACGAGAAGCACTTACCAATGGCTTGTCTTTTATTCAAAG
AAGAGCAGACTCAGCCACCCACACCACTACAGCTCAGATCGAGAAAATGACCGCAATCTCTGCCAGCAC
CTTGGGAAGAGAAAATGCCGAAGGCACTCAGACAGCTCAAGCCAGGACAGAACAGCTGCAGGGAC
AGTGACAGTGAAGTGCCAGTGGAGAATCCAAGGGCTTCCACCGAGCAGCTCTCGGAAAAGGCTCAGT
GATAGTTCAGCTCCTTCCAGCTTGGAACAGGCTACTTCAGATCAGGGAAGATGTGCCTTGGAGAGGAA
GCATGTCTTAAATCTGGAATGATATGAAGAGGGATGTGAGCAACACTTCATCTGGGCCAGTAATAGG
GAGAGTTCTTTTCTCTCGTCAAATTGCTTAAAGGATTC TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001127232

Insert Size: 801 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001127232.2](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001127232.2)

RefSeq Size: 1826 bp

RefSeq ORF: 801 bp

Locus ID: 26053

UniProt ID: [Q8WXX7](#)

Cytogenetics: 7q11.22

MW: 29.3 kDa

Gene Summary: This gene has been implicated in neurodevelopment and as a candidate gene for numerous neurological disorders, including autism spectrum disorders, intellectual disability, and developmental delay. Mutations in this gene have also been associated with non-neurological disorders, such as acute lymphoblastic leukemia, aging of the skin, early-onset androgenetic alopecia, and certain cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2014]
Transcript Variant: This variant (3) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. The encoded protein (isoform 3) is shorter and has a distinct C-terminus, compared to isoform 1.