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Product datasheet for SC323270

AUTS2 (NM_001127231) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AUTS2 (NM_001127231) 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:

>SC323270 representing NM_001127231.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATGGCCCGACGCGGGGCCATGGACTCCGCAAAAAGCGGCGGTCGCGGTCGCAGCGAGACCGGGAG
AGGCGCTCCCGGGGCGGGCTGGGGGCCGGCGCGGCCGGCGGCGGCGGGGCTGGCCGGACCCGGGCGCTC
TCACTCGCCTCGTCGTCGGGCTCCGACAAGGAAGACAATGGGAAGCCCCCGTCCTCCGCCCCGTCCCGG
CCCAGACCCCCGCGGAGGAAGCGGAGAGAGTCCACCTCGGCAGAAGAGGACATCATTGATGGATTTGCC
ATGACCAGCTTTGTCACTTTTGAAGCGCTGGAGAAAGATGTAGCACTTAAGCCTCAGGAACGTGTGGAG
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CTTGGGAAGAGAAAGAAAATGCCGAAGGCACTCAGACAGCTCAAGCCAGGACAGAACAGCTGCAGGGAC
AGTGACAGTGAAAGTGCCAGTGGAGAATCCAAGGGCTTCCACCGGAGCAGCTCTCGGGAAAGGCTCAGT
GATAGTTCAGCTCCTTCCAGCTTGGGAACAGGCTACTTCTGTGACAGTGACAGTGACCAGGAAGAGAAG
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CCTGAGGCCCAGCTCCAGCCTGCCCCGCAGCCTCAGGTGCAGAGGCCACCCAGGCCACAGTCCCCCACC
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TCAGCCTACAACAGCAGTAGCTTAAGCCTCAACAGTTTAAGCAGCAGCAGAAGCAGCACTCCAGCGAAG
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GCCCCTCCCACTGCTCTGCCTCCTCCACCACCACTGACATCAGGAAGTCTGCAGGTGGCCGGACACCCG
GCCGGGAGCACTTACTCAGAGCAAGACATCTTGCGACAGGAACTGAACACTCGTTTTTTGGCCTCTCAG

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AGTGCTGACCGCGGGGCTTCCCTGGGCCCTCCGCCCTACCTGCGGACCGAGTTCCATCAGCACCAGCAC
CAGCACCAGCACACCCACCAGCACACGCACCAGCACACCTTCACGCCGTTCCCCCACGCCATCCCACCC
ACCGCCATCATGCCGACGCCAGCACCTCCCATGTTTGACAAATACCCTACAAAAGTTGACCCATTCTAC
CGGCACAGTCTCTTCCATTCCTATCCTCCTGCAGTGTCGGGCATCCCCCCTATGATCCCACCCACTGGC
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CACGGCCACGAGGGGCGCGCCGCGGGCGAAGAGGCCAAGCAGCTGGCCCGGGTGCCGTCTCCCTACGTG
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GACATTCACCGGAGAGACCCGCTGGGCAGGGACTTCCTGCTAAGGAACGACCCGCTCCACCGGCTCTCG
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CACCACCACCACCACCCGCTGTCTGTGGACCCTCGGCGGGAGCACGAGCGGGGAGGCCACCTGGACGAG
CGGGAGCGCTTGCACATGCTCAGAGAAGACTACGAGCACACGCGGCTCCACTCCGTGCACCCCGCCTCC
CTCGACGGACACCTCCCCCACCCCAGCCTCATCACCCCGGGACTCCCCAGCATGCACTATCCCCGCATC
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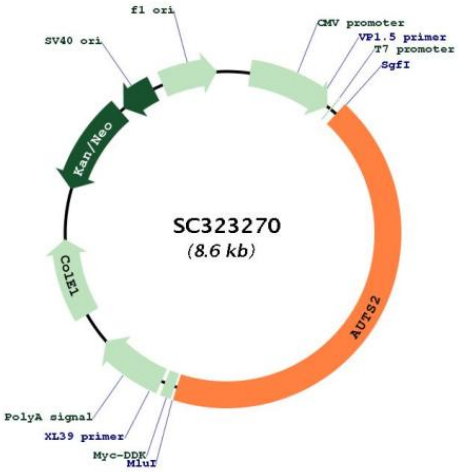
CCCCCGCTCATCTCCACGCTGGGGGGCCGCCCGGTCTCTCCCAGAAGGACGACTCCTCTGTCCGCAGAG
ATAAGGGAGAGGCCCCCTTCCCACACGCTGAAGGATATCGAGGCCCGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001127231
Insert Size:	3708 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_001127231.2
RefSeq Size:	6532 bp
RefSeq ORF:	3708 bp
Locus ID:	26053
UniProt ID:	Q8WXX7
Cytogenetics:	7q11.22
MW:	136.4 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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded protein (isoform 2) is shorter, compared to isoform 1.