

Product datasheet for **RR208079**

Ascl2 (NM_031503) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ascl2 (NM_031503) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ascl2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208079 representing NM_031503 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAATCGCACTTTAACTGGTACGGGGTCCCAAGGCTCCAGAAGGCTAGCGACGCGTGCCTAGGGAAT
CCTGCAGCAGTGCCCTGCCTGAGGCCCGTGAAGGTGCGAACGTCCTCTCCACCGCACCCGGTTCCTCG
CGAGCACTTTTCTGTGGCGCACCGAAACCCGTAGCGGGGGCCCGCGCTGAATGCAAGCTTGATGGAC
GGCGGGCGCGCTGCCAGACTCGTGCCACCTCGTCTGGAGTCGCTGGAGCCTGCACTGCTCGGCGGAGAC
CCCCGTCCCCGGAAGTCTTCGCTGCAGCCGACGGCGGCGATCGGGAGCAACGGAGGCCAGCAGCAGCTC
GGCGGCCGTGGCACGCCGAATGAGCGTGAGCGCAACCGCTAAAGCTGGTAACTTGGGCTTCCAGGCG
CTGCGGCAGCACGTGCCGCACGGCGGCCAACAAGAAGCTGAGTAAGGTGGAGACGCTGCGCTCCGCGG
TAGAGTACATCCGTGCGCTGCAGCGGCTGCTAGCAGAGCACGACGCGGTGCGTCTGCGCTCTGCGGGG
TCTATTAACACCCGCTACTCGGCCGTCGATGTGTGCACGCAGCCCTCCGCTCCCTGCCAGCGGCTCT
CTGTCTGCACCTTACATCCCCAGACCGCCTAGGCTGCTCCGAGCCTGCCTCTCCGCGCTCCGCTACT
CGTCGGAGGACAGCAGCTGCGAGGGAGAGACTACCCGATGGGGCAGATGTTGACTTTTCCAATTGGTT
AGGGGGCTAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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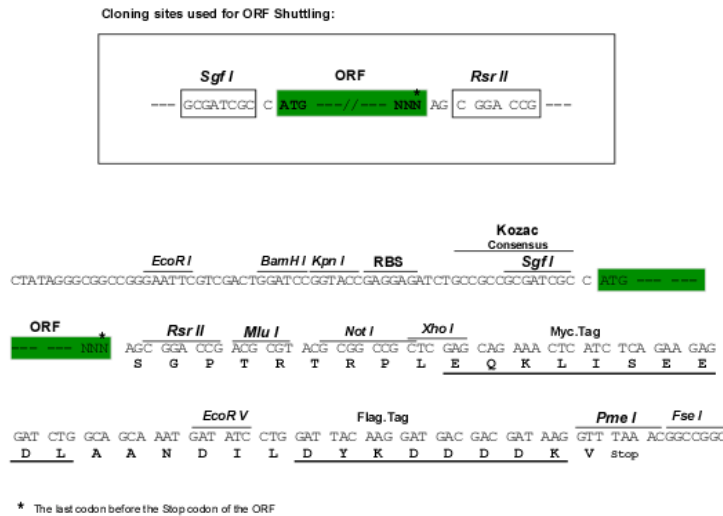
Protein Sequence: >RR208079 representing NM_031503
 Red=Cloning site Green=Tags(s)

MESHFNWYGVPRLLQKASDAPRESCSSALPEAREGANVHFPHPVPREHFSCGAPKPVAGAPALNASLMD
 GGALPRLVPTSSGVAGACTARRRPPSPELLRCSRRRRSGATEASSSSAAVARRNERERNRKL VNLGFQA
 LRQHVPHGGANKKLSKVETLRSAYEYIRALQRLLAEHDAVRAALSGLLTPATRP SDVCTQPSASPASAS
 LSCTSTSPDRLGCSEPASPRSAYSSEDSCEGETYPMGQMFDFSNWLGKY

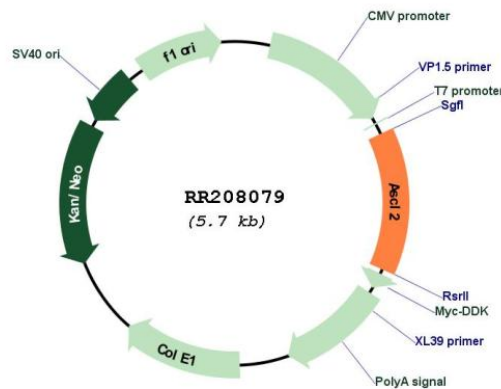
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_031503

ORF Size: 780 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_031503.2 , NP_113691.1
RefSeq Size:	1572 bp
RefSeq ORF:	783 bp
Locus ID:	24209
UniProt ID:	P19360
Cytogenetics:	1q41
MW:	27.7 kDa
Gene Summary:	may play a role in neural crest cell development and neuronal determination [RGD, Feb 2006]