

Product datasheet for **MG204526**

Slc9a3r2 (BC070458) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc9a3r2 (BC070458) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc9a3r2
Synonyms: E3karp, Sip-1, Tka-1, Octs2, NHERF-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204526 representing BC070458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGCGCTGGAATCGCTGCGGCCCGCTTGTGTCGCCTGGTGC GCGGAGAGCAAGGGTACGGCTTTC
 ACCTGCATGGCGAGAAAGGCCGCGTGGCCAGTTCATCCGGCGCGTGGAGCCAGGCTCCCCAGCCGAGGC
 GGCCGCGCTGCGCGCCGGGACCGCTGGTTGAGGTCAACGGCGTCAACGTAGAGGGCGAGACGCATCAC
 CAGGTGGTACAGAGGATCAAGGCTGTGGAGGGCAGACCCAGCTGCTTGGTGGACAAGGAGACCGATG
 AGGAGCTCTGCCGCGGCAACTGACCTGCACTGAGGAGATGGCCATCGAGGGCTCCCCAGCCACAA
 CCCTGGGAGCCAAAGCCGGACTGGGCATGCTCGGGCAGCCTGGCTCGGACACTGGCCAGAAGGATGTC
 AATGGGCCCCCAAGAGAGCTGCGTCCCCGGCTCTGCCACTTGCGAAGGGGACCCAGGGTACGGGTTCA
 ACCTGCATAGTGACAAGTCCCGGCTGGCCAGTACATCCGCTCTGTGGACCCTGGCTCTCTGCTTCTCA
 CTCTGGCTCCGTGCCAGGATCGGCTCATTGAGGTGAATGGGCAGAACGTGGAGGGGCTGCGACATGCC
 GAGGTTGTCGCCAGAATCAAGGCACAGGAGGACGAGGCCCGGCTGCTGGTAGTCGATCCTGAGACTGATG
 AACACTTCAAGCGGTTGAGGGTCATACCCACTGAGGAACATGTAGAAGGTCCACTGCCATCACCAGTCAC
 GAACGGGACCACTCTGCCAGGATGGCAGTACCTGGAAGCGAGACCCCTCCAGGAAAGTGGCTCCAC
 CTGAGTCCCACAGCAGCTGAGGCCAAGGAGAAGGCTCGAGCTACTCGGGTCAACAAGCGGGCACCCACAGA
 TGGACTGGAACCGAAGCGAGAGATCTTCAGCAACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204526 representing BC070458
 Red=Cloning site Green=Tags(s)

MAALESRLRPRLCRLVRGEQGYGFHLHGEKGRGQFIRRVEPGSPAEEAALRAGDRLVEVNGVNVEGETHH
 QVVQRKAVEGQTQLLVVDKETDEELCRRQLTCTEEMHRGLPPAHNPWEPKPDWACSGSLGSDTGQKDV
 NGPPREL RPRLCRLRRGPQGYGNLHSDKSRPGQYIRSVDPGSPASHSGLRAQDRLIEVNGQNVEGLRHA
 EVVARIKAQEDEARLLVDPETDEHFKRLRVIPTEEHVEGPLPSPVTNGTSPAQDGSTWKRDPFQESGLH
 LSPTAAEAKEKARATRVNKRAPQMDWNRKREIFSNF

TRTRPLE - GFP Tag - V

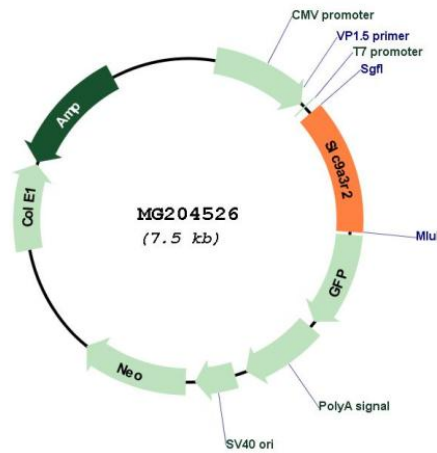
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC070458

ORF Size: 950 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:	BC070458 , AAH70458
RefSeq Size:	2052 bp
RefSeq ORF:	950 bp
Locus ID:	65962
Cytogenetics:	17 A3.3
Gene Summary:	Scaffold protein that connects plasma membrane proteins with members of the ezrin/moesin/radixin family and thereby helps to link them to the actin cytoskeleton and to regulate their surface expression. Necessary for cAMP-mediated phosphorylation and inhibition of SLC9A3. May also act as scaffold protein in the nucleus (By similarity). [UniProtKB/Swiss-Prot Function]