

Product datasheet for **MG223689**

Slc9a3r2 (NM_023055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a3r2 (NM_023055) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc9a3r2
Synonyms:	0610011L07Rik; 1200011K07Rik; 2010007A20Rik; E3karp; NHERF-2; Nherf2; Octs2; Sip-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223689 representing NM_023055 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCGCTGGAATCGCTGCGGCCCGCTTGTGTGCGCTGGTGC GCGGAGAGCAAGGGTACGGCTTTC
ACCTGCATGGCGAGAAAGCCGCGTGGCCAGTTCATCCGGCGCGTGGAGCCAGGCTCCCCAGCCGAGGC
GGCCGCGCTGCGCGCCGGGACCGCTGGTTGAGGTCAACGGCGTCAACGTAGAGGGCGAGACGCATCAC
CAGGTGGTACAGAGGATCAAGGCTGTGGAGGGCAGACCCAGCTGCTTGGTGGACAAGGAGACCGATG
AGGAGCTCTGCCGCGGCAACTGACCTGCACTGAGGAGATGGCCATCGAGGGCTCCCCAGCCACAA
CCCTGGGAGCCAAAGCCGGACTGGGCATGCTCGGGCAGCCTTGGCTCGGACACTGGCCAGAAGGATGTC
AATGGGCCCCCAAGAGAGCTGCGTCCCCGGCTCTGCCACTTGCGAAGGGGACCCAGGGTACGGGTTCA
ACCTGCATAGTGACAAGTCCCGGCTGGCCAGTACATCCGCTCTGTGGACCCTGGCTCTCTGCTTCTCA
CTCTGGCTCCGTGCCAGGATCGGCTCATTGAGGTGAATGGGCAGAACGTGGAGGGGCTGCGACATGCC
GAGGTTGTCGCCAGAATCAAGGCACAGGAGGACGAGGCCCGGCTGCTGGTAGTCGATCCTGAGACTGATG
AACACTCAAGCGGTTGAGGGTCATACCCACTGAGGAACATGTAGAAGGTCCACTGCCATCACCAGTCAC
GAACGGGACCAGTCTGCCAGCTCAATGGTGGCTCTGTGTGCTCATCCGAAGTGACCTGCCAGGCTCA
GAGAAGGACAATGAGGATGGCAGTACCTGGAAGCGAGACCCCTCCAGGAAAGTGGCCTCCACCTGAGTC
CCACAGCAGCTGAGGCCAAGGAGAAGGCTCGAGCTACTCGGTCAACAAGCGGGCACACAGATGGACTG
GAACCGAAGCGAGAGATCTTCAGCAACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223689 representing NM_023055
Red=Cloning site Green=Tags(s)

MAALESRLRPLCRLVRGEQGYGFHLHGEKGRGQFIRRVEPGSPAEEAALRAGDRLVEVNGVNVEGETHH
 QVVQRIKAVEGQTQLLVVDKETDEELCRRQLTCTEEMHRGLPPAHNPWEPKPDWACSGSLGSDTGQKDV
 NGPPRELRPRLCHLRGPGQYGFNLHSDKSRPGQYIRSVDPGSPASHSGLRAQDRLIEVNGQNVEGLRHA
 EVVARIKAQEDEARLLVDPETDEHFKRLRVIPTEEHVEGPLPSPVTNGTSPAQLNGGSSVCSRSRDLPGS
 EKDNEDGSTWKRDPFQESGLHLSPTAAEAKEKARATRVNKRAPQMDWNRKREIFSNF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023055

ORF Size: 1011 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:

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_023055.2](#), [NP_075542.2](#)

RefSeq Size: 2118 bp

RefSeq ORF: 1014 bp

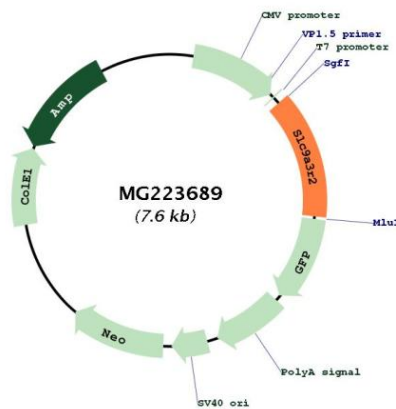
Locus ID: 65962

UniProt ID: [Q9JHL1](#)

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]

Product images:



Circular map for MG223689