

Product datasheet for **MG210031**

Slc5a9 (NM_145551) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a9 (NM_145551) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc5a9
Synonyms:	A1159731; SGLT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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Protein Sequence: >MG210031 representing NM_145551
 Red=Cloning site Green=Tags(s)

MNTELVAMEPGVSRNGVRTETTTNPSLGLHTYDIVVVVIYFVFLAVGIWSSIRASRGTVGGYFLAGRSM
 TWWPIGASLMSSNVGSLF IGLAGTGAAGGLAVGGFEWNATFLLLALGWIFVPVYIAAGVVTMPQYLKKR
 FGGQRIQVYMSVLSLILYIFTKISTDIFSGALFIQMALGWNLYLSTVILLVVTAVYTIAGGLTAVIYTDA
 LQTVIMVGGALVLMFLGFQEVGWYPGLQQLYRQAIPNTTVPNTTCHLPRPDAFHMLRDPVNGDIPWPGLI
 FGLTVLATWCWCTDQVIVQRSLAAKNLSHAKGGSVLGGYLKILPMFFIVMPGMISRALYPDEVACVDPDI
 CQRVCGARVGCNSNIAYPKLVMALMPVGLRGLMIAVIMAALMSSLT SIFNSSTLFAIDVWQFRRRQASEQ
 ELMVVGRFLVVFVVISILWIP I IQSSNSGQLFDYIQSITSYLAPPITALFLLAIFCKRVNEPGAFWGLM
 FGLVVGILRMILEFSYSAPACGEMDRRPAVLKDFHYLYFALLLGLTAIIIVVISFFTEPIPDDKLARLT
 WWTRNCAVSDLQKKT SVSVNNTEDD NSPGLAGRPVVEGPAGDEEEANTTQGPEQP GALHRSWGKWLWNWF
 CGLSGAPQQALSPA EKAVLEQKLT SIEEEPLWRRVCNINAIILLAINIFLWGYFA

TRTRPLE - GFP Tag - V

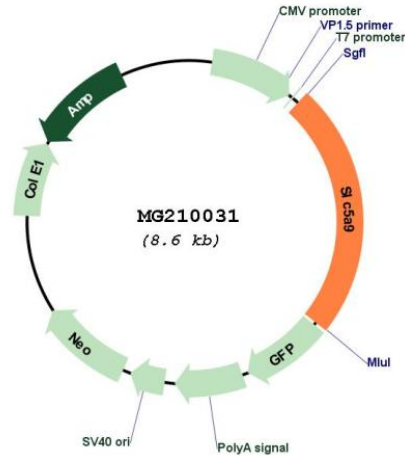
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_145551

ORF Size: 2055 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_145551.4](#), [NP_663526.3](#)

RefSeq Size: 4370 bp

RefSeq ORF: 2058 bp
Locus ID: 230612
UniProt ID: [Q8VDT1](#)
Cytogenetics: 4 D1
Gene Summary: Involved in sodium-dependent transport of D-mannose, D-glucose and D-fructose.
[UniProtKB/Swiss-Prot Function]