

Product datasheet for MR208045L4

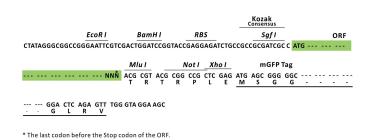
Slc2a5 (NM_019741) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Slc2a5 (NM_019741) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Slc2a5
Synonyms:	Al526984; Glut5; Slc5a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208045).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling: Sgf1 ORF Mlu I GCG ATC GC ATG// NNN ACG CGT



ACCN: ORF Size: NM_019741 1506 bp

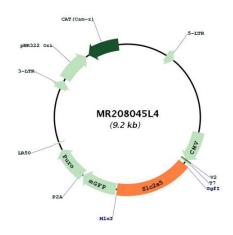


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Slc2a5 (NM_019741) Mouse Tagged Lenti ORF Clone – MR208045L4	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 019741.2</u>
RefSeq Size:	3096 bp
RefSeq ORF:	1506 bp
Locus ID:	56485
UniProt ID:	<u>Q9WV38</u>
Cytogenetics:	4 E2
Gene Summary:	Functions as a fructose transporter that has only low activity with other monosaccharides (PubMed:12031501, PubMed:19091748). Can mediate the uptake of deoxyglucose, but with low efficiency (By similarity). Essential for fructose uptake in the small intestine (PubMed:19091748, PubMed:26071406). Plays a role in the regulation of salt uptake and blood pressure in response to dietary fructose (PubMed:19091748). Required for the development of high blood pressure in response to high dietary fructose intake (PubMed:19091748).[UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for MR208045L4

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