

Product datasheet for **RG229322**

SLC2A13 (NM_052885) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A13 (NM_052885) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC2A13
Synonyms:	HMIT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229322 representing NM_052885
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCCACAAGCAAGCGAGAATGTGGAGTACACGCTGCGGAGCCTGAGCAGCCTGATGGCGAGCGGC
 GCAGGAAGCAGCCGAGCGGACGCGGCGAGCGCGGCCGGGAGTGCAGCCTCCTGGCTGCCGCCGAATC
 GAGCACCAGCCTGCAGAGCGCGGGCGCGGGCGGCGGCGTGGGACCTGGAGCGCGCGCGCGCGG
 CAGTTCCAGCAGGACGAGACCCCGCCTTCGTGTACGTGGTGGCCGTCTTCTCCGCGCTGGCGGCTTCC
 TGTTTGGCTATGACACCGGGGTGGTGTCAAGGGCCATGCTGCTCAAGCGGCAGCTCAGTCTGGACGC
 GCTGTGGCAGGAGCTGCTGGTGTCCAGCACGGTGGGGCGGCTGCCGTCTCGGCGCTGGCCGAGGCGCC
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 CAGATGCGTGGTAACAGACCATGATGAGGAATATGATAGCATCAAAAACAACATTGAAGAGGAGGAAA
 AAGAGGTTGGCTCAGCTGGACCTGTGATCTGCAGAATGCTGAGTTATCCCCAACTCGCCGAGCTTAAT
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 CCTTTGGCAAGAAGTACAGGAAATGCATGTTCTGGAATAAACTGGATTTTCAATGTCTGTTTCA
 CTAACATTTTACACACAGCAGATATCTTACATACTATGGAGCTTTCTCTCTATGCTGGATTTGCTG
 CTGTGGGACTCCTTTTCTATGCTGTCTTCTGAGACCAAGGCCAAAAAATTAGAGGAAATTGAATC
 ACTCTTTGACAACAGGCTATGTACATGTGGCACTTCAGATTCTGATGAAGGGAGATATATTGAATATATT
 CGGGTAAAGGGAAGTAACATATCATCTTTCTGACAAATGATGCTTCTGATGTGGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

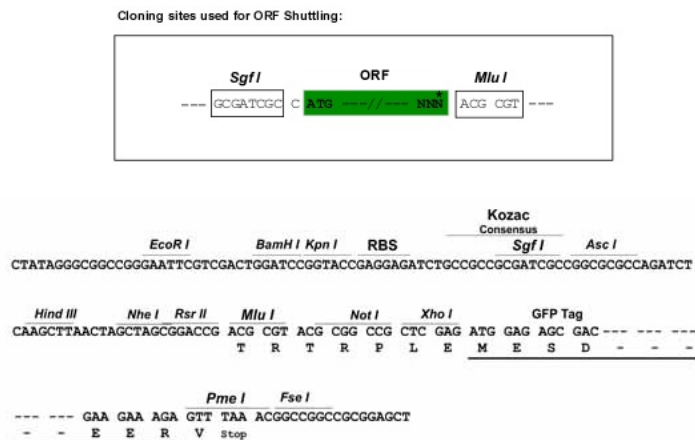
>RG229322 representing NM_052885
 Red=Cloning site Green=Tags(s)

MSRKASENVEYTLRSLSSLMGERRRKQPEPDAASAAGECSLLAAEESSTLSQSAGAGGGVGDLEAARR
 QFQQDETFAFVYVAVFSAALGGFLFGYDTGVVSGAMLLLRQLSLDALWQELLVSSTVGAAAVSALAGGA
 LNGVFGRRRAILLASALFTAGSAVLAANNKETLLAGRLVVGLGIGIASMTVPVYIAEVSPNLRGLVT
 INTLFIITGGQFFASVVDGAFSYLQKDGWRYMLGLAAVPAVIQFFGFLFLPESPRWLIQKGQTQKARRILS
 QMRGNQIDEEYDSIKNNIEEEEKEVGSAGPVICRMLSYPPTRRALIVGCGLQMFQQLSGINTIMYYSAT
 ILQMSGVEDDRLAIWLASVTAFTNFIITLVGVWLVEKVGRRKLTFGSLAGTTVALIILALGFVLSAQVSP
 RITFKPIAPSGQNATCTRYSYCNEMLDPCDGFYKMNKSTVIDSSCPVNKASTNEAAWGRGENETKFK
 TEDIFWAYNFCTPYSWTALLGLILYLFFAPGMGMPWTVNSEIYPLWARSTGNACSSGINWIFNVLS
 LTFLHTAEYLYYGAFFLYAGFAAVGLFIYGCLPETKGKKLEEIESLFDNRLCTCGTSDSDEGRYIEYI
 RVKGSNYHLSNDASDVE

TRTRPLE – GFP Tag – V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 052885

ORF Size: 1944 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

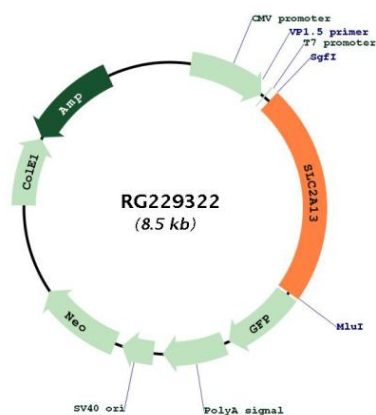
RefSeq: [NM_052885.4](#)

RefSeq Size: 7018 bp

RefSeq ORF: 1947 bp

Locus ID:	114134
UniProt ID:	Q96QE2
Cytogenetics:	12q12
Domains:	sugar_tr
Protein Families:	Transmembrane
Gene Summary:	H(+)-myo-inositol cotransporter (PubMed:11500374). Can also transport related stereoisomers (PubMed:11500374).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG229322