

Product datasheet for **RG204334**

SLC39A13 (NM_152264) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC39A13
Synonyms:	EDSSPD3; LZT-Hs9; SCDEDS; ZIP13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204334 representing NM_152264
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGGATGTCCCTGCCCTGGCTGTGGCATGGCGGGCCCAAGGCTCCTCTTCTCACTGCCCTTGCCC
TGGAGCTCTTGGGAAGGGCTGGGGTTCCAGCCGGCCCTCCGGAGCCGGGGGACTGCGACGGCCTGTGC
CCTGGACAACAAGGAAAGCGAGTCTGGGGGGCTCTGCTGAGCGGAGAGCGGCTGGACACCTGGATCTGC
TCCCTCCTGGGTTCCCTCATGGTGGGGCTCAGTGGGGTCTTCCGTTGCTTGTCATTCCCTAGAGATGG
GGACCATGCTGCGCTCAGAAGCTGGGGCTGGCGCCTGAAGCAGCTGCTCAGCTTCGCCCTGGGGGACT
CTTGGCAATGTGTTTCTGCATCTGCTGCCGAAGCCTGGGCTACACGTGCAGCGCCAGCCTGGTGGT
GAGGGGCAGAGCCTGCAGCAGCAGCAACAGCTGGGGCTGTGGGTGATTGCTGGCATCCTGACCTTCTGG
CGTTGGAGAAGATGTTCTGGACAGCAAGGAGGAGGGGACCAGCCAGGCCCAACAAGACCCCACTGC
TGCTGCCGCCGCACTCAATGGAGGCCACTGTCTGGCCAGCCGGCTGCAGAGCCCGGCTCGGTGCCGTG
GTCCGGAGCATCAAAGTCAGCGGTACCTCAACCTGCTGGCCAACACCATCGATAAATTACCCACGGGC
TGGCTGTGGCTGCCAGTTCCTTGTGAGCAAGAAGATCGGGCTCCTGACAACCATGGCCATCCTCTGCA
TGAGATCCCCATGAGGTGGGCGACTTTGCCATCCTGCTCCGGGCCGGCTTTGACCGATGGAGCGCAGCC
AAGCTGCAACTCTCAACAGCGCTGGGGGGCTACTGGGCGCTGGCTTCGCCATCTGTACCCAGTCCCCCA
AGGGAGTAGAGGAGACGCGAGCCTGGGTCTGCCCTTACCTCTGGCGGCTTTCTCTACATCGCCTTGGT
GAACGTGCTCCCTGACCTCTTGAAGAAGAGGACCCGTGGCGCTCCCTGCAGCAGCTGCTTCTGCTCTGT
GCGGGCATCGTGGTAATGGTGTCTCTCGCTCTCTGTTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



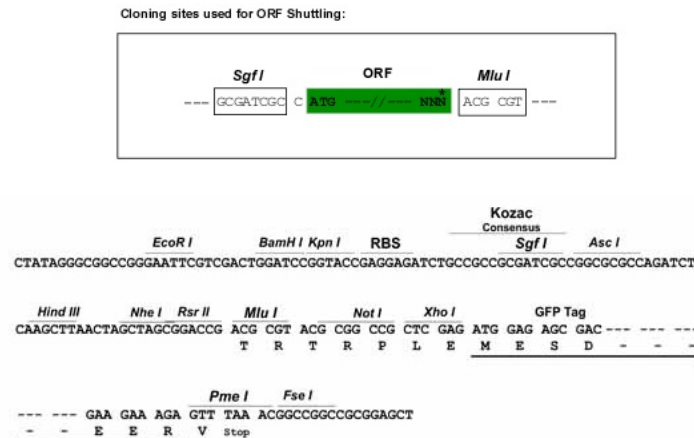
Protein Sequence: >RG204334 representing NM_152264
Red=Cloning site Green=Tags(s)

MPGCPGCGMAGPRLLFLTALALELLGRAGGSQPALRSRGATACRLDNKESESWGALLSGERLDTWIC
SLLGSLMVGLSGVFPLLVIPLEMGTMRLSEAGAWRLKQLLSFALGGLLGNVFLHLLPEAWAYTCSASPGG
EGQSLQQQQLGLWVIAGILTFLALEKMFLDSKEEGTSQAPNKDPTAAAAALNGGHCLAQPAEPGLGAV
VRSIKVSGYLNLLANTIDNFTHGLAVAASFLVSKKIGLLTTMAILLHEIPHEVGDFAILLRAGFDRWSAA
KLQLSTALGGLLGAGFAICTQSPKGEETAAWVLPFTSGGFLYIALVNVLPDLLEEDPWRLQQLLLLC
AGIVVMVLFSLFVD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152264

ORF Size: 1092 bp

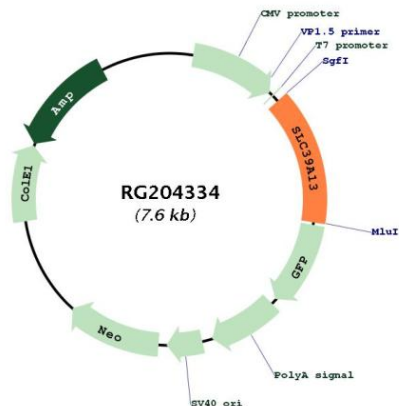
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_152264.2</u> , <u>NP_689477.2</u>
RefSeq Size:	2339 bp
RefSeq ORF:	1095 bp
Locus ID:	91252
UniProt ID:	<u>Q96H72</u>
Cytogenetics:	11p11.2
Domains:	Zip
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the LIV-1 subfamily of the ZIP transporter family. The encoded transmembrane protein functions as a zinc transporter. Mutations in this gene have been associated with the spondylocheiro dysplastic form of Ehlers-Danlos syndrome. Alternate transcript variants have been found for this gene. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG204334