

## Product datasheet for **RG203263**

### SLC35B4 (NM\_032826) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B4 (NM_032826) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35B4
Synonyms:	YEA; YEA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203263 representing NM_032826 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCCCGCCTTGGCGGTGGGCTGGTGTTCGAGGCTGCTGCAGTAACGTGATCTTCTAGAGCTCC  
TGGCCCGAAGCATCCAGGATGTGGGAACATTGTGACATTTGCACAATTTTATTATTGCTGTGGAAGG  
CTTCTCTTTGAAGCTGATTTGGGAAGGAAGCCACCAGCTATCCAATAAGGTAATGCCATAATGGTG  
ACCATGTTCTTCACCGTGAGCGTGGTGAACAACATGCCCTGAATCTCAACATTGCCATGCCCTGCATA  
TGATATTTAGATCCGGTCTCTAATTGCCAACATGATTCTAGGAATTATCATTGGAAGAAAAGATACAG  
TATATTCAAATATACCTCCATTGCCCTGGTGTCTGTGGGGATATTTATTGCACTTTTATGTCAGCAAAG  
CAGGTGACTTCCCAGTCCAGCTTGAAGTGAAGATGATGGATTCCAGGCATTTGTGTGGTGGTACTAGGTA  
TTGGGGCATTGACTTTTGCTCTTCTGATGTCAGCAAGGATGGGGATATCCAAGAGACTCTACAAACG  
ATTTGGGAAACACTCCAAGGAGGCTTTGTTTTATAATCACGCCCTTCCACTTCCGGGTTTCGTCTTCTTG  
GCTTCTGATATTTATGACCATGCAGTCTATTCAATAAGTCTGAGTTATATGAAATCCCCTCATCGGAG  
TGACCCCGCCATCATGTGGTTCTACCTCCTCATGAACATCATCACTCAGTACGTGTGCATCCGGGGTGT  
GTTTATCTCACCACGGAATGCGCCTCCCTCACCGTCACGCTCGTCGTGACCCTACGCAAATTTGTGAGC  
CTCATCTTTCCATCTTGTACTTCCAGAACCCCTCACCTGTGGCACTGGCTGGGCACCTGTTTGTCT  
TCATTGGGACCTTAATGTACACAGAGGTGTGGAACAACCTAGGGACCACAAAAAGTGAGCCTCAGAAGGA  
CAGCAAGAAGAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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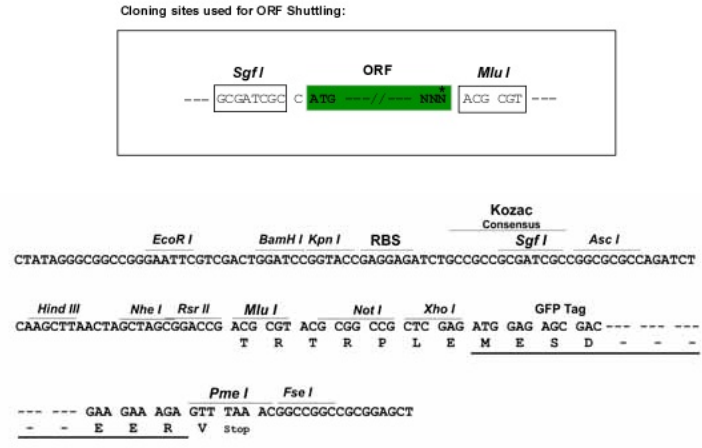
**Protein Sequence:** >RG203263 representing NM\_032826  
 Red=Cloning site Green=Tags(s)

MRPALAVGLVFAGCCSNVIFLELLARKHPGCGNIVTFAQFLFIAVEGFLFEADLGRKPPAIPRIYYAIMV  
 TMFFTVSVVNNYALNLIAMPLHMIFRSGSLIANMILGIIILKKRYSIFKYTSIALVSVGIFICTFMSAK  
 QVTSQSSLSSENDGFQAFVWLLGIGALTFALLMSARMGIFQETLYKRFKHSKEALFYNHALPLPGFVFL  
 ASDIYDHAVLFNKSELYEIPVIGVTLPIMWFYLLMNIITQYVCIRGVFILTTECASLTVTLVTLRKFVS  
 LIFSILYFQNPFTLWHWLGTLFVFIGTLMYTEVWNNLGTTKSEPQKDSKKN

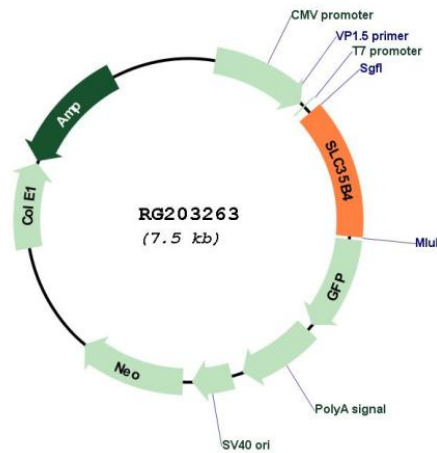
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_032826

**ORF Size:** 993 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032826.3</a> , <a href="#">NP_116215.1</a>
<b>RefSeq Size:</b>	6794 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	84912
<b>UniProt ID:</b>	<a href="#">Q969S0</a>
<b>Cytogenetics:</b>	7q33
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Glycosyltransferases, such as SLC35B4, transport nucleotide sugars from the cytoplasm where they are synthesized, to the Golgi apparatus where they are utilized in the synthesis of glycoproteins, glycolipids, and proteoglycans (Ashikov et al., 2005 [PubMed 15911612]). [supplied by OMIM, Mar 2008]