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GGCTGGAGGTGGAGCGGCTCCGACTGCGGAATTTCTATCACCCTACCCTCCAAGAGGGGCATGTGGAG
CGTCCGACGAGGAAGGGCTCTCGCACGGGGCGTCT

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG224753 representing NM\_178537  
 Red=Cloning site Green=Tags(s)

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MPRLPVKKIRKQMKLLLLLLLLSCAOWLTYVHLGLVVRQGRALRQRLGYGRDGEKLTSETDGRGVHAAPST
QRAEDSSESREEEQAPEGRDLMLFPGGAGRLPLNFTHQTPPWREEYKQVNLHVFDWCGGAVGHLRRN
LHFPLFPHTRTTVKKLAVSPKWKNYGLRIFGF IHPARDGDVQF SVASDDNSEFWLSLDESPAAAQLVAFV
GKTGSEWTAPGEFTKFSSQVSKPRRLMASRRYYFELLHKQDDRGS DHVEVGWRAFLPGLKFEVISSAHIS
LYTDESALKMDHVAHVQSPASHVGGRRPPQEETSADMLRPDPRDTFFLTPRMESSLENVLEPCAYPTY
VVKDFPIARYQGLQFVYLSFVYPNDYTRLTHMETDNKCFYRESPLYLERFGFYKYMMDKEEGDEDEEDE
VQRR AFLFLNPDDFLDDEDEGELLDSLEPTEAAPP RSGPQPAPAAPAQPGATLAPPTPPRPRDGGTPRH
SRALSWAARAARPLPLFLGRAPPPRPAVEQPPPKVYVTRVVRPGQRASPRAPAPRAPWPPFGVFLHPRPL
PRVQLRAPPPRPHGRRTGGPQATQPRPPARAQATQGGREGQARTLGPAAPTVDNLSSEARPVTSFLS
LSQVSGPQLPGEEEEEEGEDDGAPGDEAASEDSEEAAGPALGRWREDAIDWQRTFSVGAVDFELLRSDW
NDLRCNVSGNLQLPEAEAVDVT AQYMERLNARHGGRFALLRIVNVEKRRDSARGSRFLLELELQERGGGR
LRLSEYVFLRPLGARVGDADGESPEPAPAASVRPDGRPEL CRPLRLAWRQDVMVHFIVPVKNQARWVAQF
LADMAALHARTGDSRFSVVLVDFESEDMDVERALRAARLPRYQYLRRTGNFERSAGLQAGVDAVEDASSI
VFLCDLHIHFPNILDGIRKHCVEGRLAFAPVVMRLSCGSSPRDPHGYWEVNGFLFGIYKSDFDVVGGM
NTEEFRDQWGGEDWELLDRLVQAGLEVERLRLRNFYHHYHSKRGMWSVRSRKGSRGAS

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TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<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_178537.5</a>
<b>RefSeq Size:</b>	3120 bp
<b>RefSeq ORF:</b>	3120 bp
<b>Locus ID:</b>	338707
<b>UniProt ID:</b>	<a href="#">Q76KP1</a>
<b>Cytogenetics:</b>	11p15.5
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Transfers N-acetylgalactosamine (GalNAc) from UDP-GalNAc to N-acetylglucosamine-beta-benzyl with a beta-1,4-linkage to form N,N'-diacetyllactosediamine, GalNAc-beta-1,4-GlcNAc structures in N-linked glycans and probably O-linked glycans.[UniProtKB/Swiss-Prot Function]