

## Product datasheet for **MG209469**

### Glce (NM\_033320) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glce (NM_033320) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Glce
Synonyms:	1110017N23Rik; AI747411; C130034A12Rik; Hsepi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209469 representing NM\_033320  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGTTGTTGGCAGCTCGGGTCAACTATAAGACTTTGATTATCATCTGTGCGCTATTCACCTTTGGTCA  
 CAGTACTTTTGTGGAATAAGTGTTCAGCGACAAGCAATCCAGTTTCCTCGGCCTTGAGTAGTGGATT  
 CAGAGTGGATGGATTAGAAAAAGATCAGCAGCATCTGAAAGTAACCACTATGCCAACCATAGCCAAA  
 CAGCAGTCAGAAGAGGCATTTCTCAGGAACAACAGAAGGCACCCCTGTGTTGGGGGCTTCAATAGCA  
 ACGGGGAAGCAAGGTGTAGGGCTCAAATATGAAGAGATTGACTGTCTCATAAACGATGAGCACACCAT  
 TAAAGGGAGACGAGAGGGGAATGAAGTTTTCTTCCATTCACTTGGGTAGAGAAACTTTGATGTTTAT  
 GGGAAAGTGGTCCAGTATGACGGCTATGATCGATTTGAATTCTCTCATAGCTATTCAAAGTCTATGCAC  
 AGAGATCACCTTATCACCTGACGGTGTGTTTATGTCCTTGAAGGCTACAATGTGGAAGTCCGAGACAG  
 AGTCAAATGTATAAGTGGAGTTAAGGTGTGCCATTATCTACCCAGTGGGGCCCAAGGCTATTTCTAC  
 CCAATCCAGATTGCACAGTATGGGCTAAGTCATTACAGCAAGAATCTAACCGAGAAACCCCTCACATAG  
 AAGTATATGAAACAGCAGAAGACAGGGACAGAAACATCAGACCTAATGAATGGACTGTGCCAAAGGGGTG  
 CTTTCATGGCCAGTGTGGCAGACAAGTCTAGATCCACCAATGTTAAACAGTTTATTGCTCCAGAAACCACT  
 GAAGGTGTGTCTTTCAGCTGGGAAACACAAAAGACTTCATTATTTCAATTTGACCTCAAGCTTTTAAACA  
 ATGGGAGTGTGTCTGTGGTTCTGGAGACCACAGAAAAGAAATCAGCTCTTCACTGTGCATTATGTCTAAA  
 CACCCAGCTGATTGCTTTCAGAGACAGGGACATATACTACGGCATTGGGCCAGAACTTCATGGAGTACA  
 GTTACCAGAGACCTGGTCACTGACCTCAGGAAAGGAGTGGGCTTTCTAACACAAAAGCTGTCAAGCCAA  
 CCAAATCATGCCAAAAAGGTGGTTAGTTGATTGCAAAAAGGGAAGGGATTCTTGACAACATTACCAT  
 CTCAACCCAGCCACATGGCTGCATTCTTTGCTGCAAGTACTGGCTAGTGAGGAACCCAGGATGAGAAA  
 GGTGGCTGGCCAATTATGGTGACCCGGAAGTTAGGGGAAGGGTTAAATCTTTAGAACAGGATGGTACT  
 CTGCCATGGCACAAGGGCAAGCCATCTCTACCTTAGTCAGGGCCTATCTTCTAACGAAAGACTATGTATT  
 CCTCAGTTCAGCTTTAAGGGCAACAGCCCATACAAGTTTCCGTCAGAGCAGCATGGAGTTAAAGCCGTG  
 TTCATGAATAACATGACTGGTATGAAGAATATCCAACACACCTAGCTCTTTTGTTTTAAATGGCTTTA  
 TGTATTCTTTAATTGGGCTGTATGACCTAAAAGAAACAGCAGGGGAGACACTGGGAAAGAAGCAAGGTC  
 CTTGTACGAGCGCGCATGGAATCTCTAAAGCCATGCTGCCCTTGTATGATACTGGCTCCGGGACCATC  
 TATGACCTCCGCCACTTCATGCTTGGCATTGCTCCCACTGGCCGCTGGGACTATCACACCACCACA  
 TTAACCAGCTGCAGCTGCTCAGCACCATCGATGATCCCAATCTTCAAAGAATTTGCAAGAGGTGGAA  
 AAGCTACCTTAAAGGCAGTAGGGCAAAGCACAAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209469 representing NM\_033320  
 Red=Cloning site Green=Tags(s)

MRCLAARVNYKTLIIICALFTLVTVLLWNKCSSDKAIQFPRHLSSGFRVDGLEKRSAAASESNHYANHIAK  
 QQSEEFQEQKAPPVVGGFNSNGGSKVLGLKYEIDCLINDEHTIKGRREGNEVFLPFTWVEKYFDVY  
 GKVVQYDGYDRFEFSHSYSKVYAQRSPYHPDGVFMSFEGYNVEVRDRVKISGVEGVPLSTQWGPQGYFY  
 PIQIAQYGLSHYSKNL TEKPPHIEVYETAEDRDRNIRPNEWTVPKGC FMASVADKSRSTNVKQFIAPETS  
 EGVSLQLGNTKDFIISFDLKL TNGSVSVVLEETEKQLFTVHYVSNTQLIAFRDRDIYYGIGPRTSWST  
 VTRDLVTDLRKGVGLSNTKAVKPTKIMPKKVRLIAKKGFLDNITISTAHMAAFFAASDWLVRNQDEK  
 GGWPIMVTRKLGEGFKSLEPGWYSAMAQQQAISTLVRAYLLTKDYVFLSSALRATAPYKFPSEQHGKAV  
 FMNKHDWYEEYPTTSSFVLNPFMYSLIGLYDLKETAGETLGKEARSLYERGMESLKAMPLDYDTGSGTI  
 YDLRHFMLGIAPNLARWDYHTTHINQLQLLSTIDESPIFKEFVKRWKSYLKGSRKHN

**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_033320.5</a>
<b>RefSeq Size:</b>	4626 bp
<b>RefSeq ORF:</b>	1857 bp
<b>Locus ID:</b>	93683
<b>UniProt ID:</b>	<a href="#">Q9EPS3</a>
<b>Cytogenetics:</b>	9 B
<b>Gene Summary:</b>	Converts D-glucuronic acid residues adjacent to N-sulfate sugar residues to L-iduronic acid residues, both in maturing heparan sulfate (HS) and heparin chains. This is important for further modifications that determine the specificity of interactions between these glycosaminoglycans and proteins.[UniProtKB/Swiss-Prot Function]