

Product datasheet for **MR209469**

Glce (NM_033320) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glce (NM_033320) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glce
Synonyms:	1110017N23Rik; A1747411; C130034A12Rik; Hsepi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209469 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTTGTTGGCAGCTCGGGTCAACTATAAGACTTTGATTATCATCTGTGCGCTATTCACCTTTGGTCA
 CAGTACTTTTGTGGAATAAGTGTTCAGCGACAAGCAATCCAGTTTCCTCGGCCTTGAGTAGTGATT
 CAGAGTGGATGGATTAGAAAAAGATCAGCAGCATCTGAAAGTAACCACTATGCCAACCATAGCCAAA
 CAGCAGTCAGAAGAGGCATTTCTCAGGAACAACAGAAGGCACCCCTGTTGTTGGGGGCTTCAATAGCA
 ACGGGGAAGCAAGGTGTAGGGCTCAAAATGAAGAGATTGACTGTCTCATAAACGATGAGCACACCAT
 TAAAGGGAGACGAGAGGGGAATGAAGTTTTCTTCCATTCACTTGGGTAGAGAAACTTTGATGTTTAT
 GGGAAAGTGGTCCAGTATGACGGCTATGATCGATTTGAATTCTCTCATAGCTATTCAAAGTCTATGCAC
 AGAGATCACCTTATCACCTGACGGTGTGTTTATGTCCTTGAAGGCTACAATGTGGAAGTCCGAGACAG
 AGTCAAATGTATAAGTGGAGTTGAAGGTGTGCCATTATCTACCCAGTGGGGCCCAAGGCTATTTCTAC
 CCAATCCAGATTGCACAGTATGGGCTAAGTCATTACAGCAAGAATCTAACCGAGAAACCCCTCACATAG
 AAGTATATGAAACAGCAGAAGACAGGGACAGAAACATCAGACCTAATGAATGGACTGTGCCCAAGGGGTG
 CTTATGGCCAGTGTGGCAGACAAGTCTAGATCCACCAATGTTAAACAGTTTATTGCTCCAGAAACCAAGT
 GAAGGTGTGCTTTGCAGCTGGGAAACACAAAAGACTTCATTATTTCAATTTGACCTCAAGCTTTTAAACA
 ATGGGAGTGTGCTGTGGTTCTGGAGACCACAGAAAAGAAATCAGCTTCTCACTGTGCATTATGTCTAAA
 CACCCAGCTGATTGCTTTAGAGACAGGGACATATACTACGGCATTGGGCCAGAACTTCATGGAGTACA
 GTTACCAGAGACCTGGTCACTGACCTCAGGAAAGGAGTGGGCCTTCTAACACAAAAGCTGTCAAGCCAA
 CCAAATCATGCCAAAAAGGTGGTTAGTTGATTGCAAAAAGGGAAGGGATTCTGGCAACATTACCAT
 CTCAACCCAGCCACATGGCTGCATTCTTTGCTGCAAGTGAAGTGGCTAGTGAGGAACCCAGGATGAGAAA
 GGTGGCTGGCCAATTATGGTGACCCGGAAGTTAGGGGAAGGGTTTAAATCTTTAGAACAGGATGGTACT
 CTGCCATGGCACAAGGGCAAGCCATCTCTACCTTAGTCAGGGCCTATCTTCTAACGAAAGACTATGTATT
 CCTCAGTTCAGCTTTAAGGGCAACAGCCCATACAAGTTTCCGTCAGAGCAGCATGGAGTTAAAGCCGTG
 TTCATGAATAACATGACTGGTATGAAGAATATCCAACCACCTAGCTCTTTTGTTTTAAATGGCTTTA
 TGTATTCTTTAATTGGGCTGTATGACCTAAAAGAAACAGCAGGGGAGACACTGGGAAAGAAGCAAGGTC
 CTTGTACGAGCGGCATGGAATCTCTAAAGCCATGCTGCCCTGTATGATACTGGCTCCGGGACCATC
 TATGACCTCCGCCACTTCATGCTTGGCATTGCTCCCAACCTGGCCGCTGGGACTATCACACCACCACA
 TTAACCAGCTGCAGCTGCTCAGCACCATCGATGAGTCCCAATCTTCAAAGAATTTGTCAAGAGGTGGAA
 AAGCTACCTTAAAGGCAGTAGGGCAAAGCACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209469 protein sequence
 Red=Cloning site Green=Tags(s)

MRCLAARVNYKTLIIICALFTLVTVLLWNKCSSDKAIQFPRHLSSGFRVDGLEKRSAAASESNHYANHIAK
 QQSEAFAPQEQKAPPVVGGFNSNGGSKVLGLKYEEIDCLINDEHTIKGRREGNEVFLPFTWVEKYFDVY
 GKVVQYDGYDRFEFSHSYSKVYAQRSPYHPDGVFMSFEGYNVEVRDRVKCISGVEGVPLSTQWGPQGYFY
 PIQIAQYGLSHYSKNL TEKPPHIEVYETAEDRDRNIRPNEWTVPKGFMA SVADKSRSTNVKQFIAPETS
 EGVSLQLGNTKDFIISFDLKL TNGSVSVVLETEKNQLFVHYVSNTQLIAFRDRDIYYGIGPRTSWST
 VTRDLVTDLRKGVGLSNTKAVKPTKIMPKKVVRLLIAKGGFLDNITISTTAHMAAFFAASDWLVRNQDEK
 GGWPI MVTRKLGEGFKSLEPGWYSAMAQQAISTLVRAYLLTKDYVFLSSALRATAPYKFPSEQHGKAV
 FMNKHDWYEEYPTTSSFFVLNGFMYSLIGLYDLKETAGETLGKEARSLYERGMESLKAMPLDYDTGSGTI
 YDLRHFMLGIAPNLARWDYHTTHINQLQLLSTIDESPIFKEFVKRWKSYLKGSRKHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033320

ORF Size: 1857 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.

RefSeq: [NM_033320.5](#)

RefSeq Size: 4626 bp

RefSeq ORF: 1857 bp

Locus ID: 93683

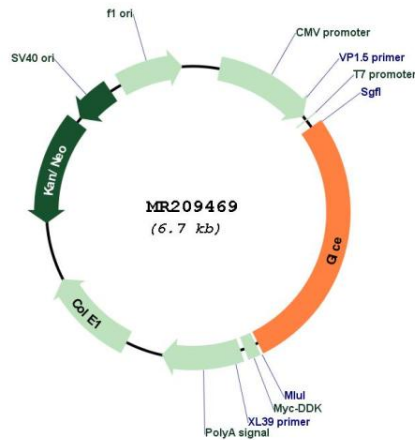
UniProt ID: [Q9EPS3](#)

Cytogenetics: 9 B

MW: 70.1 kDa

Gene Summary: 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]

Product images:



Circular map for MR209469