

Product datasheet for **RC230135**

Glycogenin 2 (GYG2) (NM_001184702) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycogenin 2 (GYG2) (NM_001184702) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glycogenin 2
Synonyms:	GN-2; GN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230135 representing NM_001184702
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGTGACTGATCAGGCTTTTGTACACTAGCCACCAATGACATCTACTGCCAGGGCGCCCTGGTCC
 TGGGGCAGTCACTGAGGAGACACAGGCTGACGAGGAAGCTGGTGGTGTGATCACTCCTCAGGTGCCAG
 CCTGCTCAGGGTCATCCTCTCGAAGGTGTTGATGAAGTCATTGAAGTGAATCTAATCGATAGTGCCGAC
 TACATCCACCTGGCCTTTCTGAAGAGACCTGAGCTCGGGCTCACCCCTACCAAGCTTCACTGTTGGACTC
 TCACTCACTACAGCAAGTGTGCTTCTGGATGCAGACACTCTGGTGTGTCCTCAATGTCGATGAGCTGTT
 TGACAGGGGAGAGTTTTCTCGGGCCCCGACCCCGGATGGCCGGATTGCTTCAATAGCGGGGTGTTTGTCT
 TTCCAGCCTTCTCCACACGCATAAACTCCTGCTACAGCACGCCATGGAACACGGCAGCTTTGACGGGG
 CAGACCAAGGCTTACTGAATAGTTTCTCAGGAACTGGTCGACCACAGACATCCACAAGCACCTGCCGTT
 CATCTATAACTTGAGTAGTAACACGATGTACACTTACAGCCCTGCCTTCAAGCAATTCGGTTCAGTGCA
 AAGGTCGTCCACTTTTTGGGGTCCATGAAACCTTGAAGTACAAGTACAATCCACAGAGTGGCTCCGGTGT
 TGGAGCAAGGCTCAGCGTCCAGCAGCCAGCACCAGGCGGCATTCTTTCATCTCTGGTGGACGGTCTACCA
 GAACAACGTGCTGCCCTTTATAAAAGCGTCCAAGCGGGGAAGCACGCGCGTCTCCTGGTACACACTT
 TGCCACAGTGTGTGGGGGGCCGTGTGCGGATTCAGCCTCTGGTGTGGAGAGCCGTGTGAAAATTCAA
 CACCCAGTGGGGCGTCCGTGTGCAAAATTCACCACTGGGTTCTAACCAGCCTGCTCAGGGCCTTCGGGA
 GCCGACCCAGATAGTGGATGAGACCCTGTCCTACCTGAAGGACGCCGTTCAGAAGATATGATAGCTTGT
 CCTGAACTGAGACTCCTGCCGTGATAACGTGTGACCCACTGTCCCAGCCTTCCCCTCAGCCTGCAGACT
 TCACAGAGACTGAAACCATCTTGCCAGCAAATAAAGTCGAAAGTGTCTCATCCGAGGAAACCTTCGAACC
 AAGCCAGGAACTCCCTGCTGAGGCTCTCAGGGACCCAGTCTGCAGGATGCACTGGAGGTCGACCTGGCC
 GTCTCTGTTTCCAGATCTCCATCGAAGAGAAGGTGAAGGAATTGAGCCCGAGGAAGAGAGGAGGAAGT
 GGGAGGAAGGCCGTATCGACTACATGGGAAGGACGCGTTTGTCTGCATCCAGGAGAAGCTGGACCGGTT
 CCTGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230135 representing NM_001184702
 Red=Cloning site Green=Tags(s)

MSVTDQAFVTLATNDIYCQALVLGQSLRRHRLTRKLVVLIIPQVSSLLRVILSKVFDEIVENLIDSAD
 YIHLAFLKRPELGLTLTKLHCWTLTHYSKCVFLDADTLVLSNVDELFDGGEFSAAPDPGWPDCFNQGVFV
 FQPSLHTHKLLQLHAMEHGSFDGADQGLLNSFFRNWSTTDIHKHLPFIYNLSSNTMYTSPAFKQFGSSA
 KVVHFLGSMKPWNYKYNPQSGSVLEQGSASSSQHQAFLHLWWTYYQNNVPLLYKSVQAGEARASPGHTL
 CHSDVGGPCADSASGVGPECENSTPSAGVPCANSPLGSNQAQGLPEPTQIVDETLSLPEGRRSEDMIAC
 PETETPAVITCDPLSQSPQPADFTETETILPANKVESVSSEETFEPSELPAEALRDPQLDALEVDLA
 VVSQISIEEKVKELSPPEERRKWEGRIDYMGKDAFARIQEKLDRFLQ

SGPTRTRPLE**QKLI**SEEDLAANDILDYKDDDDK**V**

Restriction Sites:

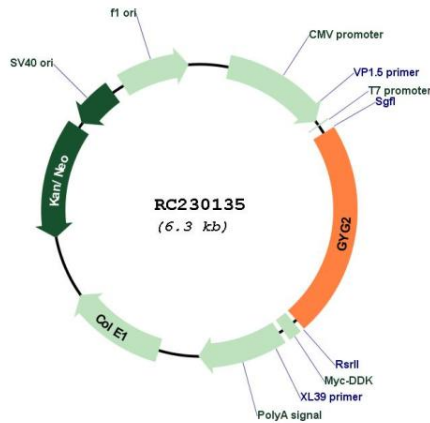
Sgfl-RsrII

Cytogenetics: Xp22.33

MW: 51.9 kDa

Gene Summary: This gene encodes a member of the the glycogenin family. Glycogenin is a self-glucosylating protein involved in the initiation reactions of glycogen biosynthesis. A gene on chromosome 3 encodes the muscle glycogenin and this X-linked gene encodes the glycogenin mainly present in liver; both are involved in blood glucose homeostasis. This gene has a short version on chromosome Y, which is 3' truncated and can not make a functional protein. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, May 2010]

Product images:



Circular map for RC230135