

## Product datasheet for **SC336609**

### Glucosidase 2 subunit beta (PRKCSH) (NM\_001289102) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Glucosidase 2 subunit beta (PRKCSH) (NM\_001289102) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PRKCSH  
**Synonyms:** AGE-R2; G19P1; GIIB; PCLD; PCLD1; PKCSH; PLD1; VASAP-60  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC336609 representing NM\_001289102.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

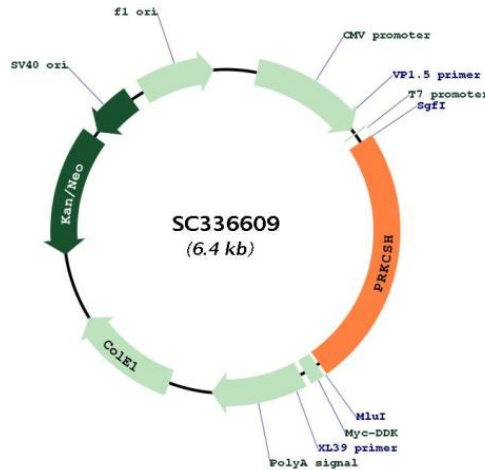
```

ATGCTGTTGCCGCTGCTGCTGCTACCCATGTGCTGGGCCGTGGAGGTCAAGAGGCCCGGGGCGTC
TCCCTACCAATCATCACTTCTACGATGAGTCCAAGCCTTTCACCTGCCTGGACGGTTCGGCCACCATC
CCATTTGATCAGGTCAACGATGACTATTGCGACTGCAAAGATGGCTCTGACGAGCCAGGCACGGCTGCC
TGTCTAATGGCAGTCCACTGCACCAACTGGCTATAAGCCCTGTATATCCCCTCAAACGGGTC
AACGATGGTGTGTGACTGCTGCGATGGAACAGACGAGTACAACAGCGGCGTCACTGTGAGAACC
TGCAAAGAGAAGGGCCGTAAAGGAGAGAGTCCCTGCAGCAGATGGCCGAGGTCAACCGGAAGGGTTC
CGTCTGAAGAAGATCCTTATTGAGGACTGGAAGAAGGCACGGGAGGAGAAGCAGAAAAAGCTCATTGAG
CTACAGGCTGGGAAGAAGTCTCTGGAAGACCAGGTGGAGATGCTGCGGACAGTGAAGGAGGAAGCTGAG
AAGCCAGAGAGAGAGGCCAAAGAGCAGCACCAGAAGCTGTGGGAAGAGCAGCTGGCTGCTGCCAAGGCC
CAACAGGAGCAGGAGCTGGCGGCTGATGCCTTCAAGGAGCTGGATGATGACATGGACGGGACGGTCTCG
GTGACTGAGCTGCAGACTCACCCGAGCTGGACACAGATGGGGATGGGGCGTTGTCAGAAGCGGAAGCT
CAGGCCCTCCTCAGTGGGGACACACAGACAGACGCCACCTCTTCTACGACCGCTGCTGGGCCCATC
AGGGACAAGTACCGTCCGAGGCACTGCCACCGACCTTCCAGCACCTTCTGCCCTGACTTGACGGAG
CCCAAGGAGGAGCAGCCGAGTCCCTCGTCCGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
GAAGAAGAGGCTGAAGAAGAGGAGGAGGAGGAGGATTCCGAGGTGACGGGGAGCAGCCCAAGCCGGCC
AGCCCTGCTGAGGAAGACAAAATGCCGCCCTACGACGAGCAGACGAGGCTTTCATCGATGCTGCCAG
GAGGCCGCAACAAGTTCGAGGAGGCGGAGCGGTGCTGAAGGACATGGAGGAGTCCATCAGGAACCTG
GAGCAAGAGATTTCTTTGACTTTGGCCCCAACGGGGAGTTTGCTTACCTGTACAGCCAGTGTACGAG
CTCACCACCAACGAATACGTCTACCGCTCTGCCCTTCAAGCTTGTCTCGCAGAAACCCAACTCGGG
GGCTCTCCACCAGCCTTGGCACCTGGGGCTCATGGATTGGCCCCGACCACGACAAGTTCAGTGCCATG
AAGTATGAGCAAGGCACGGGCTGCTGGCAGGGCCCAACCGCTCCACCACCGTGGCCTCCTGTGGGG
AAAGAGACCATGGTGACCAGCACCACAGAGCCAGTCGCTGCGAGTACCTCATGGAGCTGATGACGCCA
GCCGCTGCCCGAGCCACCGCTGAAGACCCACCGAAGACGACCATGACGAGCTCAG
  
```

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Plasmid Map:**


**ACCN:** NM\_001289102

**Insert Size:** 1578 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001289102.1](#)

**RefSeq Size:** 2309 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 5589

**UniProt ID:** [P14314](#)

**Cytogenetics:** 19p13.2

**Protein Families:** Druggable Genome

**MW:** 59.2 kDa

**Gene Summary:** This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum. The encoded protein is an acidic phosphoprotein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]  
Transcript Variant: This variant (3) differs in the 5' UTR, and uses two alternate in-frame splice sites in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Both variants 2 and 3 encode the same isoform.