

Product datasheet for **SC300164**

Glucosidase 2 subunit beta (PRKCSH) (NM_001001329) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Glucosidase 2 subunit beta (PRKCSH) (NM_001001329) Human Untagged Clone
Tag: Tag Free
Symbol: PRKCSH
Synonyms: AGE-R2; G19P1; GIIB; PCLD; PCLD1; PKCSH; PLD1; VASAP-60
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001001329, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTTGCCGCTGCTGCTGCTGCTACCCATGTGCTGGGCCGTGGAGGTCAAGAGGCC  
CGGGCGTCTCCCTACCAATCATCACTTCTACGATGAGTCCAAGCCTTTCACCTGCCTG  
GACGGTTCGGCCACCATCCCATTTGATCAGGTCAACGATGACTATTGCGACTGCAAAGAT  
GGCTCTGACGAGCCAGGCACGGCTGCCTGTCTAATGGCAGTTCCTACTGCACCAACT  
GGCTATAAGCCCCTGTATATCCCTCCAACCGGGTCAACGATGGTGTGTTGACTGCTGC  
GATGGAACAGACGAGTACAACAGCGCGTCATCTGTGAGAACACCTGCAAAGAGAAGGGC  
CGTAAGGAGAGAGAGTCCCTGCAGCAGATGGCCGAGGTCACCCGGAAGGGTTCCGCTCTG  
AAGAAGATCCTTATTGAGACTGGAAGAAGGCACGGGAGGAGAAGCAGAAAAAGCTCATT  
GAGCTACAGGCTGGGAAGAAGTCTCTGGAAGACCAGGTGGAGATGCTGCGGACAGTGAAG  
GAGGAAGCTGAGAAGCCAGAGAGAGAGGCCAAAGAGCAGCACCAGAAGCTGTGGGAAGAG  
CAGCTGGCTGCTGCCAAGGCCAACAGGAGCAGGAGCTGGCGGCTGATGCCTTCAAGGAG  
CTGGATGATGACATGGACGGGACGGTCTCGGTGACTGAGCTGCAGACTCACCCGGAGCTG  
GACACAGATGGGGATGGGGCGTTGTGAGAAGCGGAAGCTCAGGCCCTCCTCAGTGGGGAC  
ACACAGACAGACGCCACCTCTTCTACGACCGCTCTGGCCGCCATCAGGGACAAGTAC  
CGGTCCGAGGCACTGCCACCGACCTTCCAGCACCTTCTGCCCTGACTTGACGGAGCCC  
AAGGAGGAGCAGCCGCAAGTGCCTCGTCCGCCACAGAGGAGGAGGAGGAGGAGGAGGAG  
GAGGAGGAAGAAGAGGCTGAAGAAGAGGAGGAGGAGGAGGATTCCGAGGTGCAGGGGAG  
CAGCCCAAGCCGCGCCAGCCCTGTGAGGAAGACAAAATGCCGCCCTACGACGAGCAGACG  
CAGGCCTTCATCGATGCTGCCAGGAGCCCGCAACAAGTTCGAGGAGGCCGAGCGGTCG  
CTGAAGGACATGGAGGAGTCCATCAGGAACCTGGAGCAAGAGATTTCTTTGACTTTGGC  
CCCAACGGGGAGTTTGCTTACCTGTACAGCCAGTGTACGAGCTCACCACCAACGAATAC  
GTCTACCCTCTGCCCTTCAAGCTTGTCTCGCAGAAACCCAACTCGGGGGCTCTCCC  
ACCAGCCTTGGCACCTGGGGCTCATGGATTGGCCCCGACCACGACAAGTTCAGTGCCATG  
AAGTATGAGCAAGGCACGGGCTGCTGGCAGGGCCCAACCCTCCACCACCGTGCCTC  
CTGTGCGGAAAGAGACCATGGTGACCAGCACCACAGAGCCAGTCTGCTGCGAGTACCTC  
ATGGAGCTGATGACGCCAGCCGCTGCCCGGAGCCACCGCTGAAGCACCCACCGAAGAC  
GACCATGACGAGCTCTAG
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Restriction Sites: Please inquire



[View online >](#)

ACCN:	NM_001001329
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_001001329.1</u> , <u>NP_001001329.1</u>
RefSeq Size:	2253 bp
RefSeq ORF:	1578 bp
Locus ID:	5589
UniProt ID:	<u>P14314</u>
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) has a longer 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.</p>