

Product datasheet for SC115539

PGLS (NM_012088) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGLS (NM_012088) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGLS
Synonyms:	6PGL; HEL-S-304
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115539 sequence for NM_012088 edited (data generated by NextGen Sequencing)

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ATGGCCGCGCCGCCCCGGGCCTCATCTCGGTGTTCTCGAGTCCAGGAGCTGGGTGCG
GCGCTAGCGCAGCTGGTGGCCCAGCGCGCAGCATGCTGCCTGGCAGGGGCCGCGCCGT
TTCGCGCTCGGCTTGTCGGGCGGAGCCTCGTCTCGATGCTAGCCCGCGAGCTACCCGCC
GCCGTCGCCCCTGCCGGGCCAGCTAGCTTAGCGCGCTGGACGCTGGGCTTCTGCGACGAG
CGCCTCGTGCCCTTCGATCACGCCGAGAGCACGTACGGCCTCTACCGACGCATCTTCTC
TCCAGACTGCCGATCCCAGAAAGCCAGGTGATCACCATTAACCCCGAGCTGCCTGTGGAG
GAGGCGGCTGAGGACTACGCCAAGAAGCTGAGACAGGCATTCCAAGGGGACTCCATCCC
GTTTTGACCTGCTGATCCTGGGGTGGCCCCGATGGTCACACCTGCTCACTCTTCCA
GACCACCCCTCCTACAGGAGCGGGAGAAGATTGTGGCTCCCATCAGTACTCCCGAAG
CCACCGCCACAGCGTGTGACCCTCACGCTACCTGTCTGAATGCAGCACGAACTGTCATC
TTTGTGGCAACTGGAGAAGGCAAGGCAGCTGTTCTGAAGCGCATTTTGGAGGACCAGGAG
GAAAACCCGCTGCCCGCCGCCCTGGTCCAGCCCCACCCGGAAACTGTGCTGGTTCTTG
GACGAGGCGGCCGCCGCTCCTGACCGTGCCCTTCGAGAAGCATTCCACTTTGTAG

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Clone variation with respect to NM_012088.2
133 c=>t;567 a=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012088 unedited
 CCGCCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGC
 TCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTC
 GGCACGAGGCTCGCCATGGCCGCGCCGCCCGGGCCCTCATCTCGGTGTTCTCGAGTTCC
 CAGGAGCTGGGTGCGGCGCTAGCGCAGCTGGTGGCCAGCGCGCAGCATGCTGCCTGGCA
 GGGGCCCGCGCCGTTTCGCGCTCGGCTTGTTCGGGCGGGAGCCTCGTCTCGATGCTAGCC
 CGCGAGCTACCCGCGCCGCTCGCCCTGCCGGGCCAGCTAGCTTAGCGCGCTGGACGCTG
 GGCTTCTGCGACGAGCGCTCGTCCCTTCGATCACGCCGAGAGCACGTACGGCCTCTAC
 CGGACGCATCTTCTCTCCAGACTGCCGATCCCAGAAAGCCAGGTGATCACCATTAAACCC
 GAGCTGCCTGTGGAGGAGCGGCTGAGGACTACGCCAAGAAGCTGAGACAGGCATTCCAA
 GGGGACTCCATCCCGTTTTTCGACCTGCTGATCCTGGGGTGGGCCCGATGGTCACACC
 TGCTCACTCTTCCAGACCACCCCTCTACAGGAGCGGGAAGACTGTGGCTCCCATC
 AGTGACTCCCCGAAGCCACCGNACAGCGTGTGACCTCACGCTACCTGTCTGAATGCA
 GCACGAACTGTCATCTTGTGGCACTGGAGAAGGCANGGCAGCTGNTCTGAAGCGCATT
 TTGGAGGACCAGNAGAAACCCGCTGCCGCGCCCTGGTCAGCCACACGNAACTGTNG
 CTGGTCTGGACCCGAGCGNCGNCCGCTNCTGACGTGCCCTCGAGAGCATCCACTTTGTAC
 TGNCCNAGNACGCGCACTGGNACAGNACGCGCATGGGGCTGGGCCCTGCTGCCGCCA
 TCTCGGCTTTCTCAAGNCCGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012088 unedited
 NNTCGTTTTAGCTATGNNACCGCGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAGCAACGCTCCTTTTAATATCCGGATGCCAG
 AGCCACAGCCTGTGTGTTGAGCCCCGGGTAGGGCTGCTGGCCGGAGGCTGTTGGCTTCCA
 ACAGCAGCACGAGCTGGCTTTTTGAAAGGAAAGCCCGAAAGTGGCGGCCAGCAGGGGCC
 CAGCCCCATGGGCGCGTGCCTGGTCCCAGCTGCGGCGTCCCTTTGGCCAGCTACAAAGT
 GGAATGCTTCTCGAAGGGCACGGTCAAGAGGCGGGCGGCCGCTCGTCCAAAACAGCA
 CAGTTTCCCGGGTGGGGCTGGACCAGGGCGGGCGGCGAGCGGTTTTCTCCTGGTCCCTC
 CAAAATGCGCTTCAAACAGCTGCCTTGCTTCTCCAGTTGCCACAAAATGACAGTTTCG
 TGCTGCATTTAGACAGGTAGCGTGAGGGTACACCCCTTGGGCGGGGGTTCCGGGAGTC
 CCTGATGGGAGCCCCAATCTCCTCCCGCTCCTGTAAGAAGGGGGGGCCGGGAAAAATGA
 ACAGGGGTACCAATTGGGGCCCCCCCCAGGAATCAAGGGGCCAAAACGGGGTGGGAGC
 CCCTTGGAAAGGCTGCTCAACTTCTTGGGGAAATCCCCAGCCCCCTCCTCCCAGGGC
 GCTTCGGGGTTAAGGGGAACACCCGGTTTTTTGGGATCCGGCACTTGAAAAA
 CCTCCCCTAAAGCCCCACCTTCCCTTCGGGGATCCAAAGGGCCCAAGGCTCTCCTTGA
 AAAAACCCCAACCTTCAAGGGACTATAATATCTTCCCCCGCCGGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_012088

Insert Size:

800 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:	<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_012088.2</u> , <u>NP_036220.1</u>
RefSeq Size:	1043 bp
RefSeq ORF:	777 bp
Locus ID:	25796
UniProt ID:	<u>O95336</u>
Cytogenetics:	19p13.11
Domains:	Glucosamine_iso
Protein Pathways:	Metabolic pathways, Pentose phosphate pathway
Gene Summary:	Hydrolysis of 6-phosphogluconolactone to 6-phosphogluconate.[UniProtKB/Swiss-Prot Function]