

Product datasheet for SC302000

PURG (NM_001015508) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PURG (NM_001015508) Human Untagged Clone
Tag:	Tag Free
Symbol:	PURG
Synonyms:	PURG-A; PURG-B; PURGA; PURGB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302000 representing NM_001015508. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGAAGAGCCAGGCGAAGGGGAGGCGGCGGCGCGGCGGAGGCAAGAATGTAGGGGGCTCT
 GGCCTAAGCAAGAGTAGACTCTATCCCCAGGCCAGCACTCCCACTACCCCACTACGCGGCCTCAGCC
 ACCCTAATCAGGCCGGGGCGCAGCCGAAATCCAGGAGCTGGCCTCAAACGAGTGGACATCCAGAAA
 AAGAGTTTTACCTAGACGTGAAGCAAAGCTCCCGGGGCCGCTTCTAAAGATAGCCGAAGTCTGGATA
 GGGAGAGGCCGGCAGGACAACATCAGAAAGAGTAACTGACCCTCTCCCTGTCTGTGGCAGCGGAGCTG
 AAGGACTGTCTAGGGGACTTCATCGAGCACTATGCCACCTGGGCTGAAAGGCCACCGCAAGAGCAT
 GGCCACAGCAAAGAGCAAGGCTCCAGAAGGAGGCAAGCACTCGGCACCTCCCAACAGTCTCGGTG
 GGTCCGAAGAGCATCCTCACAGTGTCTGAAAACAGACTATATCGAGAGGGACAATAGGAAATATTAC
 CTAGACCTAAAGGAAATCAGCGGGTCTGCTTCTACGGATTAGACAAACCATGATGCGGGGACTGGC
 ATGATAGGTTATTTGGCCACAGTTTGGGCAAGAACAGACTATTGTCTCCAGCACAAGGAATGATT
 GAGTTTCGTGATGCCTTGGTTCAGCTGATTGAAGACTATGGCGAAGGAGACATAGAAGAACAAGAGGT
 GGAGACGATGACCCGCTTGAATCCCAGAGGGGACTTCTTTCAGAGTGGACAATAAAGGTTCTACTTT
 GATGTGGGCTCTAATAAATATGGAATTTTCTGAAGCTCACAATTACCCCAATCCAGAGAGAATATC
 AACCTTTTCTACTGTTGTCAAATCAAGCATAAGGAACAGCCCCATGATACTACAAAACAGTTGAGGAA
 TAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001015508
Insert Size:	969 bp


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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_001015508.2</u>
RefSeq Size:	2699 bp
RefSeq ORF:	969 bp
Locus ID:	29942
UniProt ID:	<u>Q9UJV8</u>
Cytogenetics:	8p12
MW:	36.6 kDa
Gene Summary:	<p>The exact function of this gene is not known, however, its encoded product is highly similar to purine-rich element binding protein A. The latter is a DNA-binding protein which binds preferentially to the single strand of the purine-rich element termed PUR, and has been implicated in the control of both DNA replication and transcription. This gene lies in close proximity to the Werner syndrome gene, but on the opposite strand, on chromosome 8p11. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (B) differs in the 3' UTR and coding region compared to variant A. The resulting isoform (B) is shorter and has a distinct C-terminus compared to isoform A. Variants B and D encode the same isoform (B).</p>