

## Product datasheet for **SC201532**

### Pepsinogen II (PGC) (NM\_002630) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Pepsinogen II (PGC) (NM_002630) Human 3' UTR Clone
Symbol:	Pepsinogen II
Synonyms:	PEPC; PGII
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002630
Insert Size:	171 bp
Insert Sequence:	>SC201532 3'UTR clone of NM_002630 The sequence shown below is from the reference sequence of NM_002630. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> AACAGAGTAGGCTTTGCCACTGCCGCC <b>TAG</b> ACTTGCTGCCTCGACACGTGGGCTCCCCTCTTCTCTTG ACCCTGCACCCTCCTAGGGCATTGTATCTGTCTTTCCACTCTGGATT <b>CAGCCTTCTTTTCTGGACTCT</b> GGACTTTCTCTAATAATAAATAGTTCTTCTTTA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATT <b>CGAAGAAA</b> TGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_002630.4</a></u>



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**Summary:**

This gene encodes an aspartic proteinase that belongs to the peptidase family A1. The encoded protein is a digestive enzyme that is produced in the stomach and constitutes a major component of the gastric mucosa. This protein is also secreted into the serum. This protein is synthesized as an inactive zymogen that includes a highly basic prosegment. This enzyme is converted into its active mature form at low pH by sequential cleavage of the prosegment that is carried out by the enzyme itself. Polymorphisms in this gene are associated with susceptibility to gastric cancers. Serum levels of this enzyme are used as a biomarker for certain gastric diseases including Helicobacter pylori related gastritis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 1. [provided by RefSeq, Oct 2009]

**Locus ID:**

5225

**MW:**

6.2