

## Product datasheet for **SC201841**

### Pepsin (PGA5) (NM\_014224) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Pepsin (PGA5) (NM_014224) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PGA5
Synonyms:	Pg5
ACCN:	NM_014224
Insert Size:	193 bp
Insert Sequence:	>SC201841 3'UTR clone of NM_014224 The sequence shown below is from the reference sequence of NM_014224. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AACCAGGTCGGCCTGGCCCTGTGGCTTAAAGCCTAAGTCTCTTCAGCCACCTCCCAGGAAGATCTGGCC TCCGTCCATGCCCACTTTAGATGTATCTAATTCTCTGACTGTTCTTCCAGGGGAGTGTGAAGGTCT TGGCCCTGTTCCCTGTCTACCAATAACGTAGAATAAAAAACATAACCCACTGAAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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_014224.5</a></u>



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**Summary:** This gene encodes a protein precursor of the digestive enzyme pepsin, a member of the peptidase A1 family of endopeptidases. The encoded precursor is secreted by gastric chief cells and undergoes autocatalytic cleavage in acidic conditions to form the active enzyme, which functions in the digestion of dietary proteins. This gene is found in a cluster of related genes on chromosome 11, each of which encodes one of multiple pepsinogens. Pepsinogen levels in serum may serve as a biomarker for atrophic gastritis and gastric cancer. [provided by RefSeq, Jul 2015]

**Locus ID:** 5222

**MW:** 7