

Product datasheet for RC206809L3V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Pepsin (PGA5) (NM_014224) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Pepsin (PGA5) (NM_014224) Human Tagged ORF Clone Lentiviral Particle

Symbol: Pepsin
Synonyms: Pg5

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM_014224

 ORF Size:
 1164 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC206809).

Sequence:

Domains:

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 014224.2

 RefSeq Size:
 1398 bp

 RefSeq ORF:
 1167 bp

 Locus ID:
 5222

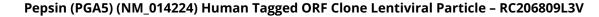
 UniProt ID:
 P00790

 Cytogenetics:
 11q12.2

Protein Families: Druggable Genome, Protease, Secreted Protein

asp





ORIGENE

MW: 42.4 kDa

Gene 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]