

## Product datasheet for **RC217403L3V**

### Salivary alpha amylase (AMY1A) (NM\_004038) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Salivary alpha amylase (AMY1A) (NM_004038) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AMY1A
Synonyms:	AMY1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004038
ORF Size:	1533 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217403).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004038.3</a> , <a href="#">NP_004029.2</a>
RefSeq Size:	1862 bp
RefSeq ORF:	1536 bp
Locus ID:	276
UniProt ID:	<a href="#">P04745</a>
Cytogenetics:	1p21.1
Domains:	alpha-amylase, Amy_C, Amy
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein



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**Protein Pathways:** Metabolic pathways, Starch and sucrose metabolism

**MW:** 57.8 kDa

**Gene Summary:** Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the salivary gland. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]