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Product datasheet for RC204860L3V

BACE2 (NM_012105) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BACE2 (NM_012105) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BACE2
Synonyms:	AEPLC; ALP56; ASP1; ASP21; BAE2; CDA13; CEAP1; DRAP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_012105
ORF Size:	1554 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204860).`
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.
RefSeq:	NM_012105.3
RefSeq Size:	2993 bp
RefSeq ORF:	1557 bp
Locus ID:	25825
UniProt ID:	Q9Y5Z0
Cytogenetics:	21q22.2-q22.3
Domains:	asp
Protein Families:	Druggable Genome, Protease, Transmembrane

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Protein Pathways: Alzheimer's disease

MW: 56.18 kDa

Gene Summary: This gene encodes an integral membrane glycoprotein that functions as an aspartic protease. The encoded protein cleaves amyloid precursor protein into amyloid beta peptide, which is a critical step in the etiology of Alzheimer's disease and Down syndrome. The protein precursor is further processed into an active mature peptide. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]