

Product datasheet for **RC202198L4V**

Butyrylcholinesterase (BCHE) (NM_000055) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Butyrylcholinesterase (BCHE) (NM_000055) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Butyrylcholinesterase
Synonyms:	BCHE; CHE1; CHE2; E1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000055
ORF Size:	1806 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202198).
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_000055.1
RefSeq Size:	2461 bp
RefSeq ORF:	1809 bp
Locus ID:	590
UniProt ID:	P06276
Cytogenetics:	3q26.1
Domains:	COesterase
Protein Families:	Druggable Genome, Transmembrane



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MW: 68.4 kDa

Gene Summary: This gene encodes a cholinesterase enzyme and member of the type-B carboxylesterase/lipase family of proteins. The encoded enzyme exhibits broad substrate specificity and is involved in the detoxification of poisons including organophosphate nerve agents and pesticides, and the metabolism of drugs including cocaine, heroin and aspirin. Humans homozygous for certain mutations in this gene exhibit prolonged apnea after administration of the muscle relaxant succinylcholine. [provided by RefSeq, Jul 2016]