

Product datasheet for **MR203562L4V**

Itm2c (NM_022417) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Itm2c (NM_022417) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Itm2c
Synonyms:	3110038L02Rik; BRI3; Bricd2c; E25; E25C; ITM3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022417
ORF Size:	810 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203562).
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_022417.1 , NP_071862.1 , NP_071862.2
RefSeq Size:	2024 bp
RefSeq ORF:	810 bp
Locus ID:	64294
UniProt ID:	Q91VK4
Cytogenetics:	1 C5


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Gene Summary:

Negative regulator of amyloid-beta peptide production. May inhibit the processing of APP by blocking its access to alpha- and beta-secretase. Binding to the beta-secretase-cleaved APP C-terminal fragment is negligible, suggesting that ITM2C is a poor gamma-secretase cleavage inhibitor. May play a role in TNF-induced cell death and neuronal differentiation.
[UniProtKB/Swiss-Prot Function]