

## Product datasheet for **MR208273L4V**

### **Mbtps2 (NM\_172307) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Mbtps2 (NM_172307) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mbtps2
Synonyms:	9630032G22Rik; AI662535
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172307
ORF Size:	1548 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208273).
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_172307.3</a> , <a href="#">NP_758511.1</a>
RefSeq Size:	4799 bp
RefSeq ORF:	1548 bp
Locus ID:	270669
UniProt ID:	<a href="#">Q8CHX6</a>
Cytogenetics:	X F4



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**Gene Summary:**

Involved in regulated intramembrane proteolysis (RIP) that is the cleavage of membrane-spanning regulatory proteins by proteases within the plane of the membrane. It cleaves sterol-regulatory element-binding proteins (SREBPs) within the first transmembrane segment, thereby releasing the N-terminal segment with a portion of the transmembrane segment attached. Mature N-terminal fragments shuttle to the nucleus and activate gene transcription. Involved in RIP-mediated regulation of bone formation.[UniProtKB/Swiss-Prot Function]