

Product datasheet for **MR204112L4V**

Mpst (NM_138670) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mpst (NM_138670) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mpst
Synonyms:	Mst
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138670
ORF Size:	894 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204112).
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_138670.2 , NP_619611.2
RefSeq Size:	1426 bp
RefSeq ORF:	894 bp
Locus ID:	246221
UniProt ID:	Q99J99
Cytogenetics:	15 E1



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Gene Summary:

Transfer of a sulfur ion to cyanide or to other thiol compounds. Also has weak rhodanese activity. Detoxifies cyanide and is required for thiosulfate biosynthesis. Acts as an antioxidant. In combination with cysteine aminotransferase (CAT), contributes to the catabolism of cysteine and is an important producer of hydrogen sulfide in the brain, retina and vascular endothelial cells. Hydrogen sulfide H₂S is an important synaptic modulator, signaling molecule, smooth muscle contractor and neuroprotectant. Its production by the 3MST/CAT pathway is regulated by calcium ions.[UniProtKB/Swiss-Prot Function]