

Product datasheet for **RR201485L4V**

Manf (NM_001108183) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Manf (NM_001108183) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Manf
Synonyms:	Armet
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001108183
ORF Size:	366 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR201485).
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_001108183.1 , NP_001101653.1
RefSeq Size:	550 bp
RefSeq ORF:	369 bp
Locus ID:	315989
Cytogenetics:	8q32



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Gene Summary:

Selectively promotes the survival of dopaminergic neurons of the ventral mid-brain (By similarity). Modulates GABAergic transmission to the dopaminergic neurons of the substantia nigra (PubMed:16462600). Enhances spontaneous, as well as evoked, GABAergic inhibitory postsynaptic currents in dopaminergic neurons (PubMed:16462600). Inhibits cell proliferation and endoplasmic reticulum (ER) stress-induced cell death (By similarity). Retained in the ER/sarcoplasmic reticulum (SR) through association with the endoplasmic reticulum chaperone protein HSPA5 under normal conditions (By similarity). Up-regulated and secreted by the ER/SR in response to ER stress and hypoxia (By similarity). Following secretion by the ER/SR, directly binds to 3-O-sulfogalactosylceramide, a lipid sulfatide in the outer cell membrane of target cells (By similarity). Sulfatide binding promotes its cellular uptake by endocytosis, and is required for its role in alleviating ER stress and cell toxicity under hypoxic and ER stress conditions (By similarity).[UniProtKB/Swiss-Prot Function]