

Product datasheet for **RC203290L4V**

MGST3 (NM_004528) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MGST3 (NM_004528) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MGST3
Synonyms:	GST-III
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004528
ORF Size:	456 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203290).
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_004528.2
RefSeq Size:	1528 bp
RefSeq ORF:	459 bp
Locus ID:	4259
UniProt ID:	O14880
Cytogenetics:	1q24.1
Domains:	MAPEG
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

MW: 16.5 kDa

Gene Summary: This gene encodes a member of the MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) protein family. Members of this family are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes an enzyme which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. This enzyme also demonstrates glutathione-dependent peroxidase activity towards lipid hydroperoxides.[provided by RefSeq, May 2011]