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Product datasheet for RC207615L1V

GPNMB (NM_001005340) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GPNMB (NM_001005340) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GPNMB
Synonyms:	HGFIN; NMB; PLCA3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001005340
ORF Size:	1716 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207615).
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_001005340.1, NP_001005340.1
RefSeq Size:	2775 bp
RefSeq ORF:	1719 bp
Locus ID:	10457
UniProt ID:	Q14956
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome, Transmembrane
MW:	63.92 kDa

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Gene Summary: The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]