

Product datasheet for **RC216063L3V**

Meprin beta (MEP1B) (NM_005925) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Meprin beta (MEP1B) (NM_005925) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Meprin beta
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005925
ORF Size:	2103 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216063).
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_005925.2
RefSeq Size:	2327 bp
RefSeq ORF:	2106 bp
Locus ID:	4225
UniProt ID:	Q16820
Cytogenetics:	18q12.1
Protein Families:	Druggable Genome, Transmembrane
MW:	79.4 kDa



[View online »](#)

Gene Summary:

Meprins are multidomain zinc metalloproteases that are highly expressed in mammalian kidney and intestinal brush border membranes, and in leukocytes and certain cancer cells. They are involved in the hydrolysis of a variety of peptide and protein substrates, and have been implicated in cancer and intestinal inflammation. Mature meprins are oligomers of evolutionarily related, but separately encoded alpha and/or beta subunits. Homooligomers of alpha subunit are secreted, whereas, oligomers containing the beta subunit are plasma membrane-bound. This gene encodes the beta subunit. Targeted disruption of this gene in mice affects embryonic viability, renal gene expression profiles, and distribution of the membrane-associated alpha subunit in kidney and intestine. [provided by RefSeq, Oct 2011]