

Product datasheet for **RC223909L4V**

MBD4 (NM_003925) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MBD4 (NM_003925) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MBD4
Synonyms:	MED1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003925
ORF Size:	1740 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223909).
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_003925.1
RefSeq Size:	2470 bp
RefSeq ORF:	1743 bp
Locus ID:	8930
UniProt ID:	O95243
Cytogenetics:	3q21.3
Domains:	MBD
Protein Families:	Druggable Genome



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Protein Pathways: Base excision repair

MW: 65.9 kDa

Gene Summary: The protein encoded by this gene is a member of a family of nuclear proteins related by the presence of a methyl-CpG binding domain (MBD). These proteins are capable of binding specifically to methylated DNA, and some members can also repress transcription from methylated gene promoters. This protein contains an MBD domain at the N-terminus that functions both in binding to methylated DNA and in protein interactions and a C-terminal mismatch-specific glycosylase domain that is involved in DNA repair. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]