

Product datasheet for **MR220865L4V**

Fkbp8 (NM_010223) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fkbp8 (NM_010223) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fkbp8
Synonyms:	38kDa; FKBP-8; FKBP-38; Fkbp38
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010223
ORF Size:	1206 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220865).
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_010223.2 , NP_034353.2
RefSeq Size:	1727 bp
RefSeq ORF:	1209 bp
Locus ID:	14232
UniProt ID:	O35465
Cytogenetics:	8 B3.3



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Gene Summary:

Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis (By similarity). Required for normal embryonic development. [UniProtKB/Swiss-Prot Function]