

Product datasheet for **MR223717L4V**

Fbxw8 (NM_172721) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fbxw8 (NM_172721) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fbxw8
Synonyms:	4930438M06Rik; FBW6; FBW8; Fbx29; FBXO29
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172721
ORF Size:	1797 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223717).
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_172721.2 , NP_766309.2
RefSeq Size:	4978 bp
RefSeq ORF:	1797 bp
Locus ID:	231672
UniProt ID:	Q8BIA4
Cytogenetics:	5 F



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Gene Summary:

Substrate-recognition component of a Cul7-RING ubiquitin-protein ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. The Cul7-RING(FBXW8) complex mediates ubiquitination and consequent degradation of GORASP1, acting as a component of the ubiquitin ligase pathway that regulates Golgi morphogenesis and dendrite patterning in brain. The Cul7-RING(FBXW8) complex also mediates ubiquitination of MAP4K1/HPK1: recognizes and binds autophosphorylated MAP4K1/HPK1, leading to its degradation, thereby affecting cell proliferation and differentiation. Associated component of the 3M complex, suggesting that it mediates some of 3M complex functions (By similarity).[UniProtKB/Swiss-Prot Function]