

## Product datasheet for **MR225088L3V**

### **Fnbp1 (NM\_001177648) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Fnbp1 (NM_001177648) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fnbp1
Synonyms:	1110057E06Rik; 2210010H06Rik; FBP1; Fbp17
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001177648
ORF Size:	1848 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225088).
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. <a href="#">More info</a>
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:	<a href="#">NM_001177648.1</a> , <a href="#">NP_001171119.1</a>
RefSeq Size:	4743 bp
RefSeq ORF:	1851 bp
Locus ID:	14269
UniProt ID:	<a href="#">Q80TY0</a>
Cytogenetics:	2 B



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**Gene Summary:**

Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during the late stage of clathrin-mediated endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also enhances actin polymerization via the recruitment of WASL/N-WASP, which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. May act as a link between RND2 signaling and regulation of the actin cytoskeleton. May be required for the lysosomal retention of FASLG/FASL (By similarity).[UniProtKB/Swiss-Prot Function]