

Product datasheet for **MR215924L4V**

Chp2 (NM_027363) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Chp2 (NM_027363) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Chp2
Synonyms:	2010110P09Rik; Cbhp2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027363
ORF Size:	591 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215924).
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_027363.1 , NP_081639.1
RefSeq Size:	1171 bp
RefSeq ORF:	591 bp
Locus ID:	70261
UniProt ID:	Q9D869
Cytogenetics:	7 F2



[View online »](#)

Gene Summary:

Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type Na(+)/H(+) exchange activity. Binds to and activates SLC9A1/NHE1 in a serum-independent manner, thus increasing pH and protecting cells from serum deprivation-induced death. Also plays a role in the regulation of cell proliferation and tumor growth by increasing the phosphatase activity of PPP3CA in a calcium-dependent manner. Activator of the calcineurin/NFAT signaling pathway. Involved in the cytoplasmic translocation of the transcription factor NFATC3 to the nucleus (By similarity).[UniProtKB/Swiss-Prot Function]