

Product datasheet for MR216421L4

Gpr3711 (NM_134438) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr3711 (NM_134438) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Gpr3711
Synonyms:	AW047233; CAG-18; D0Kist8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216421).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

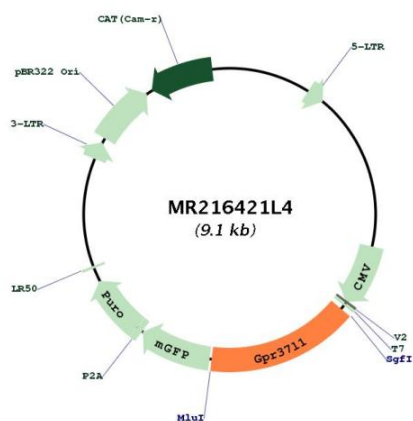
ACCN:	NM_134438
ORF Size:	1443 bp



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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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_134438.3 , NP_602320.2
RefSeq Size:	2267 bp
RefSeq ORF:	1446 bp
Locus ID:	171469
UniProt ID:	Q99JG2
Cytogenetics:	1 E4
Gene Summary:	G-protein coupled receptor (PubMed:27072655). Has been shown to bind the neuroprotective and glioprotective factor prosaposin (PSAP), leading to endocytosis followed by an ERK phosphorylation cascade (By similarity). However, other studies have shown that prosaposin does not increase activity (By similarity). It has been suggested that GPR37L1 is a constitutively active receptor which signals through the guanine nucleotide-binding protein G(s) subunit alpha (By similarity). Participates in the regulation of postnatal cerebellar development by modulating the Shh pathway (PubMed:24062445). Regulates baseline blood pressure in females and protects against cardiovascular stress in males (PubMed:29625592). Mediates inhibition of astrocyte glutamate transporters and reduction in neuronal N-methyl-D-aspartate receptor activity (PubMed:28795439).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216421L4