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Product datasheet for MR216570L3V

Gpr143 (NM_010951) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gpr143 (NM_010951) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gpr143
Synonyms:	Oa1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_010951
ORF Size:	1215 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR216570).`
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_010951.3, NP_035081.3
RefSeq Size:	1651 bp
RefSeq ORF:	1218 bp
Locus ID:	18241
UniProt ID:	P70259
Cytogenetics:	X 68.46 cM

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Gene Summary: Receptor for tyrosine, L-DOPA and dopamine. After binding to L-DOPA, stimulates Ca(2+) influx into the cytoplasm, increases secretion of the neurotrophic factor SERPINF1 and relocalizes beta arrestin at the plasma membrane; this ligand-dependent signaling occurs through a G(q)-mediated pathway in melanocytic cells. Its activity is mediated by G proteins which activate the phosphoinositide signaling pathway. Plays also a role as an intracellular G protein-coupled receptor involved in melanosome biogenesis, organization and transport. [UniProtKB/Swiss-Prot Function]