

Product datasheet for **MR227643L4V**

a (NM_015770) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	a (NM_015770) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	a
Synonyms:	A; As; ASIP; ASP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015770
ORF Size:	393 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227643).
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_015770.3 , NP_056585.2
RefSeq Size:	692 bp
RefSeq ORF:	396 bp
Locus ID:	50518
UniProt ID:	Q03288
Cytogenetics:	2 76.83 cM



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Gene Summary:

Involved in the regulation of melanogenesis. The binding of ASP to MC1R precludes alpha-MSH initiated signaling and thus blocks production of cAMP, leading to a down-regulation of eumelanogenesis (brown/black pigment) and thus increasing synthesis of pheomelanin (yellow/red pigment). Causes hair follicle melanocytes to synthesize phaeomelanin instead of black or brown pigment eumelanin and produces hairs with a subapical yellow band on an otherwise black or brown background when expressed during the mid-portion of hair growth.[UniProtKB/Swiss-Prot Function]