

Product datasheet for **MR203285L4V**

Sco2 (NM_00111288) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sco2 (NM_00111288) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sco2
Synonyms:	MGC28479
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_00111288
ORF Size:	768 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203285).
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_00111288.1
RefSeq Size:	1158 bp
RefSeq ORF:	768 bp
Locus ID:	100126824
UniProt ID:	Q8VCL2
Cytogenetics:	15 E3



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Gene Summary:

Copper metallochaperone essential for the synthesis and maturation of cytochrome c oxidase subunit II (MT-CO2/COX2). Involved in transporting copper to the Cu(A) site on MT-CO2/COX2. Also acts as a thiol-disulfide oxidoreductase to regulate the redox state of the cysteines in SCO1 during maturation of MT-CO2/COX2.[UniProtKB/Swiss-Prot Function]