

Product datasheet for **MR222626L4V**

Ube2i (NM_001177610) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ube2i (NM_001177610) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ube2i
Synonyms:	5830467E05Rik; F830028O17Rik; UBC9; Ubce2i; Ubce9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001177610
ORF Size:	474 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222626).
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_001177610.1 , NP_001171081.1
RefSeq Size:	2516 bp
RefSeq ORF:	477 bp
Locus ID:	22196
UniProt ID:	P63280
Cytogenetics:	17 A3.3



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Gene Summary:

Accepts the ubiquitin-like proteins SUMO1, SUMO2 and SUMO3 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2, CBX4 and ZNF451. Can catalyze the formation of poly-SUMO chains. Essential for nuclear architecture, chromosome segregation and embryonic viability. Necessary for sumoylation of FOXL2 and KAT5 (By similarity). Sumoylates p53/TP53 at 'Lys-386'. [UniProtKB/Swiss-Prot Function]