

Product datasheet for **MR222822L4V**

Hesx1 (NM_010420) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hesx1 (NM_010420) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hesx1
Synonyms:	HES-1; Rpx
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010420
ORF Size:	558 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222822).
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_010420.2 , NP_034550.2
RefSeq Size:	1144 bp
RefSeq ORF:	558 bp
Locus ID:	15209
UniProt ID:	Q61658
Cytogenetics:	14 A3



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Gene Summary:

Required for the normal development of the forebrain, eyes and other anterior structures such as the olfactory placodes and pituitary gland. Possible transcriptional repressor. Binds to the palindromic PIII sequence, 5'-AGCTTGAGTCTAATTGAATTAAGTGTAC-3'. HESX1 and PROP1 bind as heterodimers on this palindromic site, and, in vitro, HESX1 can antagonize PROP1 activation.[UniProtKB/Swiss-Prot Function]