

Product datasheet for **RC210161L3V**

Homeobox protein SIX6 (SIX6) (NM_007374) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Homeobox protein SIX6 (SIX6) (NM_007374) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Homeobox protein SIX6
Synonyms:	MCOPCT2; ODRMD; OPTX2; Six9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007374
ORF Size:	738 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210161).
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_007374.1
RefSeq Size:	1500 bp
RefSeq ORF:	741 bp
Locus ID:	4990
UniProt ID:	O95475
Cytogenetics:	14q23.1
MW:	27.7 kDa



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Gene Summary:

The protein encoded by this gene is a homeobox protein that is similar to the Drosophila 'sine oculis' gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in eye development. Defects in this gene are a cause of isolated microphthalmia with cataract type 2 (MCOPCT2). [provided by RefSeq, Jul 2008]