

Product datasheet for **KN200757RB**

SOX2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	SOX2
Locus ID:	6657
Components:	<p>KN200757G1, SOX2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200757G2, SOX2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200757RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_003106
UniProt ID:	P48431
Synonyms:	ANOP3; MCOPS3
Summary:	<p>This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). [provided by RefSeq, Jul 2008]</p>



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Product images:

