

## Product datasheet for **KN208247BN**

### E2F1 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	E2F1
Locus ID:	1869
Components:	<b>KN208247G1</b> , E2F1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN208247G2</b> , E2F1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN208247BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<u><a href="#">NM_005225</a></u>
UniProt ID:	<u><a href="#">Q01094</a></u>
Synonyms:	E2F-1; RBAP1; RBBP3; RBP3
Summary:	The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein and another 2 members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis. [provided by RefSeq, Jul 2008]



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## Product images:

