

Product datasheet for **KN210150BN**

CTLA4 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:	CTLA4
Locus ID:	1493
Components:	<p>KN210150G1, CTLA4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210150G2, CTLA4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210150BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_001037631 , NM_005214
UniProt ID:	P16410
Synonyms:	ALP55; CD; CD152; CELIAC3; CTLA-4; GRD4; GSE; IDDM12
Summary:	<p>This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. [provided by RefSeq, Jul 2008]</p>



[View online »](#)

Product images:

