

Product datasheet for **KN205068BN**

GPR 164 (OR51E1) 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:	GPR 164
Locus ID:	143503
Components:	KN205068G1 , GPR 164 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN205068G2 , GPR 164 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN205068BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	<u>NM_152430</u>
UniProt ID:	<u>Q8TCB6</u>
Synonyms:	D-GPCR; DGPCR; GPR136; GPR164; OR51E1P; OR52A3P; POGR; PSGR2
Summary:	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]



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Product images:

