

Product datasheet for **KN209466BN**

CD26 (DPP4) 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:	CD26
Locus ID:	1803
Components:	<p>KN209466G1, CD26 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN209466G2, CD26 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN209466BND, 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_001935
UniProt ID:	P27487
Synonyms:	ADABP; ADCP2; CD26; DPPIV; TP103
Summary:	<p>The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic type II transmembrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Dipeptidyl peptidase 4 is highly involved in glucose and insulin metabolism, as well as in immune regulation. This protein was shown to be a functional receptor for Middle East respiratory syndrome coronavirus (MERS-CoV), and protein modeling suggests that it may play a similar role with SARS-CoV-2, the virus responsible for COVID-19. [provided by RefSeq, Apr 2020]</p>



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Product images:

