

Product datasheet for **KN200646LP**

PRSS8 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	PRSS8
Locus ID:	5652
Components:	<p>KN200646G1, PRSS8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200646G2, PRSS8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200646LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_002773
UniProt ID:	Q16651
Synonyms:	CAP1; PROSTASIN
Summary:	<p>This gene encodes a member of the peptidase S1 or chymotrypsin family of serine proteases. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate via a disulfide bond to form the heterodimeric enzyme. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. This protease exhibits trypsin-like substrate specificity, cleaving protein substrates at the carboxyl terminus of lysine or arginine residues. The encoded protease partially mediates proteolytic activation of the epithelial sodium channel, a regulator of sodium balance, and may also play a role in epithelial barrier formation. [provided by RefSeq, Feb 2016]</p>



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Product images:

