

Product datasheet for KN200646LP

PRSS8 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control Format:

Donor DNA: Luciferase-Puro

PRSS8 Symbol: Locus ID: 5652

KN200646G1, PRSS8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN200646G2, PRSS8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200646LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 002773

UniProt ID: Q16651

Synonyms: CAP1; PROSTASIN

Summary: 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]



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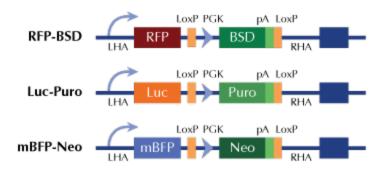
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Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter