

Product datasheet for KN202532RB

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Mesothelin (MSLN) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD Symbol: Mesothelin

Locus ID: 10232

Components: KN202532G1, Mesothelin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN202532G2, Mesothelin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN202532RBD**, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001177355</u>, <u>NM 005823</u>, <u>NM 013404</u>

UniProt ID: Q13421
Synonyms: MPF; SMRP

Summary: This gene encodes a preproprotein that is proteolytically processed to generate two protein

products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating

factor functions as a cytokine that can stimulate colony formation of bone marrow

megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative

splicing results in multiple transcript variants, at least one of which encodes an isoform that is

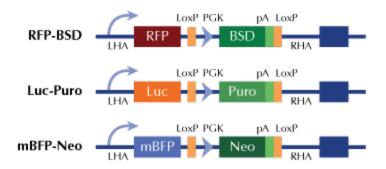
proteolytically processed. [provided by RefSeg, Feb 2016]





Product images:

Donor Vector Edited Chromosome



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