

Product datasheet for KN204082LP

TAZ (WWTR1) 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 TA7 Symbol: 25937 Locus ID: **KN204082G1**, TAZ gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components: KN204082G2**, TAZ gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN204082LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003, scramble sequence in pCas-Guide vector NM 001168278, NM 001168280, NM 015472, NM 001348362 RefSeq: **UniProt ID:** Q9GZV5 Synonyms: TAZ Summary: Transcriptional coactivator which acts as a downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. WWTR1 enhances PAX8 and NKX2-1/TTF1-dependent gene activation. Regulates the nuclear accumulation of SMADS and has a key role in coupling them to the transcriptional machinery such as the mediator complex. Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition.[UniProtKB/Swiss-Prot Function]

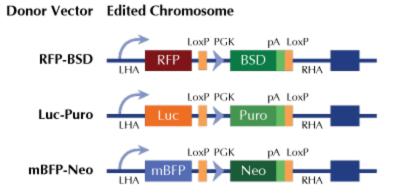


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Product images:



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

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