

## Product datasheet for **KN204082LP**

### TAZ (WWTR1) 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:	TAZ
Locus ID:	25937
Components:	<p><b>KN204082G1</b>, TAZ gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN204082G2</b>, TAZ gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN204082LPD</b>, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_001168278</a> , <a href="#">NM_001168280</a> , <a href="#">NM_015472</a> , <a href="#">NM_001348362</a>
UniProt ID:	<a href="#">Q9GZV5</a>
Synonyms:	TAZ
Summary:	<p>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]</p>



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## Product images:

