hsa-miR-30e-3p

hsa-miR-30e-5p











- regulation of chromosome organization chromosome segregation sister chromatid segregation regulation of mRNA metabolic process
 - mRNA catabolic process
 - nuclear chromatin
 - nuclear speck
 - ribonucleoprotein granule
 - cytoplasmic stress granule.
- cytoplasmic ribonucleoprotein granule.
 - SMAD binding.
 - ubiquitin-like protein ligase binding. protein phosphatase binding ubiquitin protein ligase binding transcription coactivator activity
 - Cell cycle
 - Small cell lung cancer Chronic myeloid leukemia Human papillomavirus infection
 - TGF-beta signaling pathway





- protein polyubiquitination _
- proteasomal protein catabolic process



- cytoplasmic ribonucleoprotein granule
 - ribonucleoprotein granule.
 - ubiquitin ligase complex
 - cytoplasmic stress granule





- ubiquitin-like protein transferase activity ubiquitin-protein transferase activity _ ubiquitin-like protein ligase activity.
 - ubiquitin protein ligase activity.
- proximal promoter sequence-specific DNA binding.







hsa-miR-106b-3p

hsa-miR-106b-5p



regulation of apoptotic signaling pathway

positive regulation of transcription from RNA polymerase II promoter involved in cellular response to chemical stimulus protein-containing complex localization

negative regulation of apoptotic signaling pathway

viral gene expression







p53 binding

nuclear hormone receptor binding ubiquitin protein ligase binding. ubiquitin-like protein transferase activity _ ubiquitin-like protein ligase binding.

HIF-1 signaling pathway Prostate cancer. Biosynthesis of amino acids Transcriptional misregulation in cancer.





positive regulation of catabolic process

protein polyubiguitination



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KEGG

ubiquitin ligase complex

ribonucleoprotein granule midbody

cytoplasmic stress granule





Protein processing in endoplasmic reticulum FoxO signaling pathway Cellular senescence

TGF-beta signaling pathway

hsa-miR-130b-3p

hsa-miR-130b-5p

5



- G1/S transition of mitotic cell cycle.
- cell cycle G1/S phase transition
- process utilizing autophagic mechanism

 - ribonucleoprotein granule
 - microtubule.
- cytoplasmic ribonucleoprotein granule. nuclear speck.
 - double-stranded RNA binding.
 - protein C-terminus binding
 - phosphatase binding

Prostate cancer.

- protein phosphatase binding.
- Bacterial invasion of epithelial cells TGF-beta signaling pathway Endocytosis Chronic myeloid leukemia



-log(p-value) 5 10 15 20

0

- ribonucleoprotein complex biogenesis proteasome-mediated ubiquitin-dependent protein catabolic process protein polyubiquitination
 - protein stabilization
 - mRNA catabolic process



- transcriptional repressor complex
 - ficolin-1-rich granule lumen
 - inclusion body
 - ribonucleoprotein granule



ubiguitin-protein transferase activity ubiquitin-like protein transferase activity ubiquitin protein ligase activity ubiquitin-like protein ligase activity helicase activity



- - p53 signaling pathway

hsa-miR-181a-2-3p

hsa-miR-181a-5p





hsa-miR-181c-3p

hsa-miR-181c-5p









-log(p-value) 10 15 20 BP

regulation of mRNA metabolic process positive regulation of mRNA catabolic process positive regulation of cellular catabolic process _ regulation of mRNA catabolic process positive regulation of catabolic process







ubiguitin-protein transferase activity

ubiquitin-like protein transferase activity. transcription factor activity, RNA polymerase II transcription factor binding

SMAD binding -



Cellular senescence Estrogen signaling pathway.

Protein processing in endoplasmic reticulum

Renal cell carcinoma.

Endocrine resistance

3'

hsa-miR-671-5p





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≤F

neutrophil degranulation neutrophil activation neutrophil mediated immunity neutrophil activation involved in immune response

response to endoplasmic reticulum stress



RAGE receptor binding cell adhesion molecule binding transcription corepressor activity



ubiquitin protein ligase binding ubiquitin-like protein ligase binding Cell cycle AGE-RAGE signaling pathway in diabetic

p53 signaling pathway

Cellular senescence

JAK-STAT signaling pathway