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# human hepatoma cell line deficient in microsomal triglyceride transfer protein (MTTP) (VA)

## MTTP CRISPR/Cas9 Knockout Huh7 Stable Cell Line

This Huh7 cell line features a stable knockout of microsomal triglyceride transfer protein (MTTP) using CRISPR/Cas9 genome editing. This modification allows for the study of MTTP (Microsomal Triglyceride Transfer Protein) function, which is crucial in the biosynthesis and secretion of very low-density lipoproteins (VLDL). Research applications include studying lipid metabolism disorders, liver function, and the development of treatments for conditions like abetalipoproteinemia.

## References

1. Anaganti et al. , <https://pmc.ncbi.nlm.nih.gov/articles/PMC9405095/>

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## Category

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