



Rat Microsomal [triglyceride] Transfer Protein (MTP)

Catalog No. RB-RMTP

Description:	Partially purified MTP from rat liver
Source:	Rat liver
Unit Size:	100 µl
Concentration:	Total protein concentration = 191 µg/ml (Coomassie Protein Assay – Pierce)
Storage and Handling:	Store at -80° C. Avoid freeze-thaw cycles. Wear appropriate gloves, protective clothing and eyewear. Follow safe laboratory practices.

Overview

Microsomal triglyceride transfer protein (MTP), a membrane-bound protein present in the liver, plays an important role in the assembly and secretion of very low density lipoprotein (VLDL).

Rat MTP (RB-RMTP) is partially purified from rat liver microsomes and is active. This protein is useful in activity assays and can also be used to study MTP inhibitors *in vitro*.

Advantages

- This prepared rat MTP can be used as a source of MTP in inhibitor assays that do not work using microsomes or crude homogenates

Related References

1. Stewart BJ, Roede JR, Doorn JA, Petersen DR. Lipid aldehyde-mediated cross-linking of apolipoprotein B-100 inhibits secretion from HepG2 cells. *BBA-Molecular and Cell Biology of Lipids*. 2009;1791(8):772-780.
2. Lo, C. M. *et al.* Why does the gut choose apolipoprotein B48 but not B100 for chylomicron formation? *American Journal of Physiology- Gastrointestinal and Liver Physiology* **294**, G344 (2008).
3. Li, L. *et al.* Epigallocatechin gallate increases the formation of cytosolic lipid droplets and decreases the secretion of apoB-100 VLDL. *J. Lipid Res.* **47**, 67-77 (2006).

Related Products

RB-MTP	Roar MTP Activity Assay Kit, 100 assays
RB-HMTP	Roar Human Microsomal [triglyceride] Transfer Protein (MTP)

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