Soy Protein Isolate

Produced by hydrolysis with endo-type protease from microorganism

SCP-LD3

TG synthesis ↓
Liver TG level ↓

Separation with hydrophobic synthetic absorbent (DIAION HP21)

Hydrophobic fraction

TG synthesis ↓
Liver TG level ↓

Fractionation by GPC-HPLC (Bio-Rad Peptide HR10/30 column)

Frc-A  Frc-B  Frc-C

TG synthesis ↓
ApoB secretion ↓

Isolation by ODS column chromatography

20%  0%

Separation by RP-HPLC and identified seven di-peptides

TG synthesis ↓

Lys - Ala
Val - Lys
Leu - Val
Ala - Val
Ser - Tyr
Ala - Tyr
Ala - Leu

TG synthesis ↓
ApoB secretion ↓