

Recombinant Human Acid sphingomyelinase-like phosphodiesterase 3a Protein

Cat.NO.: TP05796

3th Edition

Synonyms: Acid sphingomyelinase-like phosphodiesterase 3a; ASM-like phosphodiesterase 3a; SMPDL3A; ASML3A

Description: Acid sphingomyelinase-like phosphodiesterase 3a (SMPDL3A) is a novel liver X receptor (LXR) -regulated gene, with an LXR response element within its promoter. The induction of SMPDL3A is LXR-dependent and is restricted to human blood cells with no induction observed in mouse cellular systems. LXR function as physiological sensors of cholesterol metabolites (oxysterols), regulating key genes involved in cholesterol and lipid metabolism. LXRs have been extensively studied in both human and rodent cell systems, revealing their potential therapeutic value in the contexts of atherosclerosis and inflammatory diseases.

Form: PBS

Molecular Weight: 49.9 kDa

Sequences: Leu23-Tyr453

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.