

Product datasheet for **TP727974**

SMPDL3A Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human ASM-Like Phosphodiesterase 3a/SMPDL3A (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Leu23-Tyr453
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Acid sphingomyelinase-like phosphodiesterase 3a is produced by our Mammalian expression system and the target gene encoding Leu23-Tyr453 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	10924
UniProt ID:	Q92484
Synonyms:	Acid sphingomyelinase-like phosphodiesterase 3a; ASM-like phosphodiesterase 3a;SMPDL3A;ASML3A
Summary:	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.
Protein Families:	Secreted Protein



[View online »](#)