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Datasheet for ABIN7319243 **SMPDL3A Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SMPDL3A
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMPDL3A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SMPDL3A Protein (His Tag)
Sequence:	Leu23-Tyr453
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SMPDL3A
Alternative Name:	SMPDL3A (SMPDL3A Products)
Background:	Background: Acid sphingomyelinase-like phosphodiesterase 3a (SMPDL3A) is a novel liver X receptor (LXR) -regulated gene, with an LXR response element within its promoter. The

Target Details

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.

Synonym: Acid Sphingomyelinase-Like Phosphodiesterase 3a, ASM-Like Phosphodiesterase 3a, SMPDL3A, ASML3A

Molecular Weight: 49.9 kDa

UniProt: [Q92484](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.