

## 32-7991: Recombinant Human ASM-Like Phosphodiesterase 3a/SMPDL3A (C-6His)(Discontinued)

**Gene :** SMPDL3A

**Gene ID :** 10924

**Uniprot ID :** Q92484

### Description

Source: Human Cells.

MW :49.9kD.

Recombinant Human ASM-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. 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.

### Product Info

**Amount :** 6His) / 50 µg

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

**Storage condition :** 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.

**Amino Acid :** LPVAPAGGRNPPPAIGQFWHVTDLHLDPTYHITDDHTKVCASSKGANASNPGPFQDVLCDSPLYQLLSAFDFIK NSGQEASFMiWTGDSPPHVPPELSTDTVINVITNMTTTTIQSLFPNLQVFPALGNHDYWPQDQLPVVTSKVYNA VANLWKPWLDEEAISTLRKGGFYKQVTTNPNLRIISLNTNLYGPNIMTLNKTDPANQFEWLESTLNNSQQNK EKVYIIAHVPVGYLPSSQNITAMREYYNEKLIDIFQKYSVDIAGQFYGHTRDSIMVLSKKGSPVNSLFPVAVT PVKSVLEKQTNNGIRLFQYDPRDYKLLDMLQYYLNLTEANLKGESIWKLEYILTQTYDIEDLQPESLYGLAKQFTI LDSKQFIKYNYFFVSYDSSVTCDKTCKAFQICAIMNLDNISYADCLKQLYIKHNYVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.