

## Product Information

### MemDX™ Membrane Protein Human SPPL2B (Signal peptide peptidase like 2B) Full Length

Cat. No.: **MPC2454K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human SPPL2B membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

SPPL2B

##### Protein Length

Full length

##### Protein Class

Protease

##### TMD

9

##### Sequence

MAAAVAAALARLLAAFLLLAAQVACEYGMVHVVSQAGGPEGKDYCILYNP  
QWAHLPHDLSKASFLQLRNWTASLLCSAADLPARGFSNQIPLVARGNCTF  
YEKVRLAQGSGARGLLIVSRERLVPPGGNKTQYDEIGIPVALLSYKDMLD  
IFTRFGRTVRAALYAPKEPVLDMVIMVIFIMAVGTVAIGGYWAGSRDVKK  
RYMKHKRDDGPEKQEDAEVDVTPVMTCVFVVMCCSMLVLLYYFYDLLVYV  
VIGIFCLASATGLYSCLAPCVRRLPFGKCRIPNNSLPYFHKRPQARMLLL  
ALFCVAVSVVWGVFRNEDQWAWVLQDALGIAFCLYMLKTIRLPTFKACTL  
LLLVLFLYDIFVFITPFLTKSGSSIMVEVATGPSDSATREKLPMVLKVP  
RLNSSPLALCDRPFSLGFGDILVPGLLVAYCHRFDIQVQSSRVYFVACT  
IAYGVGLLVTFVALALMQRGQPALLYLVPCTLVTS CAVALWRRELGVFWT  
GSGFAKVLPPSPWAPAPADGPQPPKDSATPLSPQPPSEEPATSPWP AEQS  
PKSRTSEEMGAGAPMREPGSPA ESEGRDQAQPSPTQPGASA

#### Product Description

##### Expression Systems

HEK293

##### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

SPPL2B

**Full Name**

Signal peptide peptidase like 2B

**Introduction**

This gene encodes a member of the GXGD family of aspartic proteases. The GXGD proteases are transmembrane proteins with two conserved catalytic motifs localized within the membrane-spanning regions. This enzyme localizes to endosomes, lysosomes, and the plasma membrane. It cleaves the transmembrane domain of tumor necrosis factor alpha to release the intracellular domain, which triggers cytokine expression in the innate and adaptive immunity pathways. Multiple transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

SPPL2B; IMP4; PSH4; PSL1; IMP-4; signal peptide peptidase-like 2B; SPP-like 2B; intramembrane protease 4; presenilin homologous protein 4; presenilin-like protein 1; Signal peptide peptidase like 2B

**Gene ID**

[56928](#)

**UniProt ID**

[Q8TCT7](#)