

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

MAAAVAALARLLAFLAAQVACEYGMVHVSQAGGPEGKDYCILYNP
QWAHLPHDLSKASFQLQRNWTASLLCSAADLPARGFSNQIPLVARGNCTF
YEKVRLAQGSGARGLLIVSRRERLVPPGGNKTQYDEIGIPVALLSYKDMKD
IFTRFGRTVRAALYAPKEPVLDYNMVIIIMAVGTVAILGGYWAGSRDVKK
RYSMKHKRDDGPEKQEDEAVDVTPVMTCVFVVMCCSMLVLLYYFYDLLVYV
VIGIFCLASATGLYSCAPCVVRLPFGKCRIPNNNSLPYFHKRPQARMLLL
ALFCVAVASVVGFRNEDQWAWLQDALGIAFCLYMLKTIRLPTFKACTL
LLLVLFLYDIFVFITPFLTKSGSSIMVEVATGPSDSATREKLPMLVKP
RLNSSPLALCDRPFSSLGFGDILVPGLLVAYCHRFDIQVQSSRVYFVACT
IAYGVGLLVTVALALMQRGQPALLYLPVCTLVTSCAVLWRRELGVFWT
GSGFAKVLPSPWAPAPADGPQPPKDSATPLSPQPPSEEPATSPWPWAEQS
PKSRTSEEMGAGAPMREPGSPAEESEGRDQAQPSPVTQPGASA

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](#)