

Product Information

MemDX™ Membrane Protein Human SORCS1 (Sortilin related VPS10 domain containing receptor 1) Full Length

Cat. No.: **MPC2896K**

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

This product is a made-to-order Human SORCS1 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

SORCS1

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MGKVGAGGGSQARLSALLAGAGLLILCAPGVCGGGSCCPSHPSSAPRSA
STPRGFSHQGRPGRAPATPLPLVVRPLFSVAPGDRALSLEARGTGASMA
VAARSGRRRRSGADQEKAERGEASRSPRGVLRDGGQQEPGTRERDPDKA
TRFRMEELRLTSTTFALTGDSAHNQAMVHWSGHNSVILITKLYDYNLG
SITSSLWRSTDYGTTYEKLNDKVGLKTILSYLYVCPTNKRKIMLLTDPE
IESLLISSDEGATYQKYRLNFYIQSLLFHPKQEDWILAYSQDQKLYSSA
EFGRRWQLIQEGVVPNRFYWSVMGSNKEPDLVHLEARTVDGHSYLTCRM
QNCTEANRNQFPFGYIDPDSLIVQDHYVVFVQLTSGGRPHYYVSYRRNAFA
QMKLPHYALPKDMHVISTDENQVFAAVQEWNQNDTYNLYISDTRGVYFTL
ALENVQSSRGPEGNIMIDLYEVAGIKGMFLANKKIDNQVKTFITYNKGRD
WRLLQAPDLDLRGDPVHCLLPYCSLHLHLKVSENPTYSGIIASKDTAPSI
IVASGNIGSELSDTDISMFVSSDAGNTWRQIFEEHSVLYLDQGGVLVAM
KHTSLPIRHLWLSFDEGRSWSKYSFTSIPLFVDGVLGEPGEETLIMTVFG
HFShrSEWQLVKVDYKSIFDRRCAEEDYRPWQLHSQGEACIMGAKRIYKK
RKSERKCMQGGKYAGAMESEPCVCTEADFDCDYGERHSNGQCLPAFWFNP
SSLSKDCSLGQSYLNSTGYRKVVSNNCTDGVREQYAKPKCPGKAPRGL
RIVTADGKLTAEQGHNVTLMVQLEEGDVQRTLIQVDFGDGIAVSYVNLSS
MEDGIKHVYQNVGIFRVTQVDNSLGSDSAVLYLHVTCPLEHVHLSLPFV
TTKNKEVNATAVLWPSQVGTLYVWWYGNNTPLITLEGSI SFRFTSEGM
NTITVQVSAGNAILQDQTKTIAVYEEFRSLRSLFSPNLDDYNPDPEWRRD
IGRVIKSLVEATGVPQGHLVAVLPGLPTTAELFVLPYQDPAGENKRST
DDLEQISELLIHTLNQNSVHFELKPGVRVLVHAAHLTAAPLVDLTPTHSG

SAMLMLLSVVFVGLAVFVIYKFKRRVALPSPSPSTQPGDSSLRLQRARH
ATPPSTPKRGSAQAQYAI

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

SORCS1

Full Name

Sortilin related VPS10 domain containing receptor 1

Introduction

This gene encodes one family member of vacuolar protein sorting 10 (VPS10) domain-containing receptor proteins. The VPS10 domain name comes from the yeast carboxypeptidase Y sorting receptor Vps10 protein. Members of this gene family are large with many exons but the CDS lengths are usually less than 3700 nt. Very large introns typically separate the exons encoding the VPS10 domain; the remaining exons are separated by much smaller-sized introns. These genes are strongly expressed in the central nervous system. Two of the five family members (sortilin and sortilin-related receptor) are synthesized as preproteins; it is not yet known if this encoded protein is also a preprotein. Alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

SORCS1; hSorCS; VPS10 domain-containing receptor SorCS1; VPS10 domain receptor protein SORCS 1; Sortilin related VPS10 domain containing receptor 1

Gene ID

[114815](#)

UniProt ID

[Q8WY21](#)