

Product Information

MemDX™ Membrane Protein Human SORL1 (Sortilin related receptor 1) Full Length

Cat. No.: **MPC1197K**

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

This product is a 248.4 kDa Human SORL1 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

SORL1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

248.4 kDa

TMD

1

Sequence

MATRSSRRESRLPFLFTLVALLPPGALCEVWTQRLHGGSAPLPQDRGFLV
VQGDPRELRLWARGDARGASRADEKPLRRKRSAALQPEPIKVYGGVSLND
SHNQMVVHWAGEKSNVIVALARDSLALARPSSDVVSYDYGKSFKKISD
KLNFGGLNRSEAVIAQFYHSPADNKRYIFADAYAQYLWITFDFCNTLQGF
SIPFRAADLLLSKASNLLLGFDNRSHPNKQLWKSDDFGQTWIMIQEHVKS
FSWGDIDPYDKPNTIYIERHEPSGYSTVFRSTDFQSSRENQEVILEEVRDF
QLRDKYMFATKVHLLGSEQQSSVQLWVSFGRKPMRAAQFVTRHPINEYY
IADASEDQVFVCVSHSNRNTLYISEAEGLKFSLSLENVLYYSPGGAGSD
TLVRYFANEPFADFHRVEGLQGVIATLINGSMNEENMRSVITFDKGGTW
EFLQAPFTGYGEKINCELSQGCSLHLAQRLSLLNLQLRRMPILSKESA
PGLIATGSVGKNLASKNTNVISSSAGARWREALPGPHYTYWGDHGGIIT
AIAQGMETNELKYSTNEGETWKTFFIFSEKPVFVYGLLTPGKSTVFTIF
GSNKENVHSLILQVNATDALGVPCSTENDYKLWSPSDERGNECLLGHKTV
FKRRTPHATCFNGEDFDRPVVSNCSCTREDYECDFGFKMSEDLSLEVCV
PDPEFSGKSYSPVPCVPGSTYRRTRGYRKISGDTCSGGDVEARLEGELV
PCPLAEENEFILYAVRKSIRYDLASGATEQLPLTGLRAAVALDFDYEHN
CLYWSDLALDVIQRLCLNGSTGQEVINSGLTVEALAFEPLSLLYWVD
AGFKKIEVANPDGDFRLTIVNSSVLDRPRALVLVPQEGVMFWTDWGDLPK
GIYRSNMDGSAAYHLVSEDKVWPNGISVDDQWIYWTDAYLECIERITFSG
QQRSVILDNLPHPYAIAVFKNEIYWDDWSQLSIFRASKYSGSQMEILANQ
LTGLMDMKIFYKGKNTGSGNACVPRPCSLCLPKANNRSRSCRPEDVSSSV

LPSGDLMCDPQGYQLKNNTCVKQENTCLRNQYRCSNGNCINSIWWCDFD
NDCGDMSDERNCPPTICDLDTQFRCQESGTCIPLSYKCDLEDDCGDNSDE
SHCEMHQCRSDEYNCSGMCIRSSWVCDGDNDNCRDWSDEANCTAIYHTCE
ASNFQCRNGHCIPQRWACDGDTCQDGSDEDPVNCEKKCNCFRCPNGTCI
PSSKHCDGLRDCSDGSDEQHCEPLCTHFMDFVCKNRQQCLFHSMVCDGII
QCRDGSDEDAAFAGCSQDPEFHKVCDEFQGCQNGVCISLIWKCDGMDDC
GDYSDEANCENPTEAPNCSRYFQFRCENGHCIPNRWKCDRENDGCDWSDE
KDCGDSHILPFPSTGPSTCLPNYYRCSSGTCVMDTWVCDGYRDCADGSDE
EACPLLANTAASTPTQLGRCDRFEFECHQPKTCIPNWKRCDBGHQDCQDG
RDEANCPHSTLTTCMSREFQCEDEACIVLSERCDGFLDCSDESEKACS
DELTVYKVQNLQWTADFGSDVTLTWMRPKKMPSASCYNNVYYRVVGESIW
KTLETHSNKNTNTVLKVLKPDTTYQVKVQVQCLSKAHNTNDFVTLRTPEGL
PDAPRNLQLSLPREAEGVIVGHWAPPIHGLIREYIVEYSRSGSKMWAS
QRAASNFTIKNLLVNTLYTVRVAAVTSRGIGNWSDSKSITTIGKVIPP
PDIHIDSYGENYLSFTLTMESDIKVNGYVVNLFWAFDTHKQERRTLNFRG
SILSHKVGNLTAHTSYEISAWAKTDLGDSPLAFEHVMTRGVRPPAPSLKA
KAINQTAVECTWTGPRNVVYGIFYATSFLDLYRNPKSLTSLHNKTVIVS
KDEQYLFLVRVVVPYQGPSSDYVVVKMIPDSRLPPRHLHVVTGKTSVVI
KWESPYDSPDQDLLYAVAVKDLIRKTDRSYKVKSERNSTVEYTLNKLEPGG
KYHIIVQLGNMSKDSSIKITTVSLAPDALKIITENDHVLLFWKSLALKE
KHFNESRGEIHMFD SAMNITAYLGNTTDNFFKISNLKMGHNYTFTVQAR
CLFGNQICGEPAILLYDELGSGADASATQAARSTDVAVVVPILFLILLS
LGVGFAILYTKHRRQLQSSFTAFANSHYSSRLGSAIFSSGDDLGEDDEDAP
MITGFSDDVPMVIA

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SORL1

Full Name

Sortilin related receptor 1

Introduction

This gene encodes a mosaic protein that belongs to at least two families: the vacuolar protein sorting 10 (VPS10) domain-containing receptor family, and the low density lipoprotein receptor (LDLR) family. The encoded protein also contains fibronectin type III repeats and an epidermal growth factor repeat. The encoded preproprotein is proteolytically processed to generate the mature receptor, which likely plays roles in endocytosis and sorting. Mutations in this gene may be associated with Alzheimer's disease.

Alternative Names

SORL1; LR11; LRP9; SORLA; gp250; SorLA-1; C11orf32; sortilin-related receptor; LDLR relative with 11 ligand-binding repeats; low-density lipoprotein receptor relative with 11 ligand-binding repeats; mosaic protein LR11; sortilin-related receptor, L(DLR class) A repeats containing; sorting protein-related receptor containing LDLR class A repeats; Sortilin related receptor 1

Gene ID

[6653](#)

UniProt ID

[Q92673](#)