

Product Information

MemDX™ Membrane Protein Human MUC17 (Mucin 17, cell surface associated) Full Length

Cat. No.: **MPC2966K**

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

This product is a made-to-order Human MUC17 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

MUC17

Protein Length

Full length or ECD

Protein Class

Receptor

TMD

1

Sequence

MPRPGTMALCLLTVLVLSLLPPQAAAEQDLSVNRAVWDGGGCISQGDVLNR
QCQQLSQHVRTGSAANTATGTTSTNVVEPRMYLSCSTNPEMTSIESSVTS
DTPGVSSTRMPTESRTTSESTSDSTTLFPSSTEDTSSPTTPEGTDVPMS
TPSEESISSTMAFVSTAPLPSFEAYTSLTYKVD MSTPLTTSTQASSPPT
PESTTIPKSTNSEGSTPLTSM PASTMKVASSEAITLLTPVEISTPVTIS
AQASSPTTAEGPSLSNSAPSGGSTPLTRMPLSVMLVVSSEASTLSTTPA
ATNIPVITSTEASSSPTTAEGTSIPTSTYEGSTPLTSTPASTMPVATSE
MSTLSITPVDTSTLVTTSTEPSSLPTTAEATSM LSTLSEGSTPLTNMPV
STILVASSEASTTSTIPVDSKTFVTTASEASSSPTTAEDTSIATSTPSEG
STPLTSM PVSTTPVASSEASNLTTPVDSKTQVTTSTEASSSPPTAEVNS
MPTSTPSEGSTPLTSM SVSTMPVASSEASTLSTTPVDTSTPVTTSSEASS
SSTTPEGTSIPTSTPSEGSTPLTNMPVSTRLVVSSEASTTSTTPADSNTF
VTTSSSEASSSSTTAEGTSMPTSTYSESGTTITSM SVSTTLVASSEASTLS
TTPVDSNTPVTTSTEATSSSTTAEGTSMPTSTYEGSTPLTSM PVNTTLV
ASSEASTLSTTPVDTSTPVTTSSTEASSSPTTADGASMPSTPSEGSTPLT
SMPVSKTLLTSSEASTLSTTPLDSTHITTSTEASCSPTTTEGTSMPIST
PSEGSPLLTSIPVSITPVTSPEASTLSTTPVDSNSPVTTSTEVSSSPTPA
EGTSMPTSTYSEGRTPLTSM PVSTTLVATSAISTLSTTPVDTSTPVTNST
EARSSPTTSEGTSMPSTPGEGSTPLTSM PDSTTPVVSSEARTLSATPVD
TSTPVTTSSTEATSSPTTAEGTSIPTSTPSEGTTPLTSTPVSHTLVANSEA
STLSTTPVDSNTPLTSTTEASSPPPTAEGTSMPTSTPSEGSTPLTRMPVS
TLMVASSETLSTTPADTSTPVTTSYQASSSSTADGTSMPTSTYSEGS
TPLTSVPVSTRLVVSSEASTLSTTPVDT SIPVTTSTEASSSPTTAEGTSI
PTSPPSEGTTPLASMPVSTTLVVSSEANTLSTTPVDSKTQVATSTEASSP

PPTAEVTSMPSTSTPGERSTPLTSMPVRHTPVASSEASTLSTSPVDTSTPV
TTS AETSSSPTTAEGTSLPTSTTSEGSTLLTSIPVSTTLVTSPEASTLLT
TPVDTKGPVVT SNEVSSSPTPAEGTSMPTSTYSEGRTPLTSIPVNTTLVA
SSAISILSTTPVDNSTPVTTSTEACSSPTTSEGTSMPNSNPSEGTTPLTS
IPVSTTPVVSSEASTLSATPVDTSTPGTTS A EATSSPTTAEGISIPTSTP
SEGKTP LKSIPVSNTPVANSEASTLSTTPVDSNSPVVTSTAVSSSPTPAE
GTSIAISTPSEGSTALTSIPVSTTTVASSEINSLSTTPAVTSTPVTTYSQ
ASSSPTTADGTSMQTSTYSEGSTPLTSLPVSTMLVVSSEANTLSTTPIDS
KTQVTASTEASSSTTAEGSSMTISTPSEGSPLLTSIPVSTTPVASPEAST
LSTTPVDSNSPVITSTEVSSTTPAEGTSMPTSTYTEGRTPLTSITVVRTT
PVASSAISTLSTTPVDNSTPVTTSTEARSSPTTSEGTSMPNSTPSEGTPP
LTSIPVSTTPVLSSEASTLSATPIDTSTPVTTSTEATSSPTTAEGTSIPT
STLSEGMTPLTSTPVSHTLVANSEASTLSTTPVDSNSPVVTSTAVSSSPT
PAEGTSIATSTPSEGSTALTSIPVSTTTVASSETNTLSTTPAVTSTPVTT
YAQVSSSPTTADGSSMPTSTPREGRPPLTSIPVSTTTVASSEINTLSTTL
ADTRTPVTTYQSASSSPTTADGTSMPTPAYSEGSTPLTSMPLSTTLVVSS
EASTLSTTPVDTSTPATTSTEGSSSPTTAGGTSIQTSTPSERTTPLAGMP
VSTTLVVSSEGNTLSTTPVDSKTQVTNSTEASSSATAEGSSMTISAPSEG
SPLLT SIPLSTTPVASPEASTLSTTPVDSNSPVITSTEVSSSIPITEGTS
MQTSTYSRRTPLTSMPVSTTVASSAISTLSTTPVDTSTPVTNSTEARSS
SPTTSEGTSMPSTPSEGSTPFTSMPVSTMPVVTSEASTLSATPVDTSTP
VTTSTEATSSPTTAEGTSIPTSTLSEGTTPLTSIPVSHTLVANSEVSTLS
TTPVDSNTPFTTSTEASSPPPTAEGTSMPTSTSSEGNTPLTRMPVSTTMV
ASFETSTLSTTPADTSTPVTTYSQAGSSPTTADDTSMPTSTYSEGSTPLT
SVPVSTMPVVSSEASTHSTTPVDTSTPVTTSTEASSSPTTAEGTSIPTSP
PSEGTTPLASMPVSTTPVVSSEAGTLSTTPVDTSTPMTTSTEASSSPTTA
EDIVVPISTASEGSTLLTSIPVSTTPVASPEASTLSTTPVDSNSPVVTST
EISSATS AEGTSMPTSTYSEGSTPLRSMPVSTKPLASSEASTLSTTPVD
TSIPVTTSTETSSSPTTAKDTSMPISTPSEVSTSLTSILVSTMPVASSEA
STLSTTPVDTRTLVTTSTGTSSSPTTAEGSSMPTSTPGERSTPLTNILVS
TTL LANSEASTLSTTPVDTSTPVTTSAEASSSPTTAEGTSMRISTPSDGS
TPLTSILVSTLPVASSEASTVSTTAVDT SIPVTTSTEASSSPTTAEVTS
PTSTPSETSTPLTSMPVNHTPVASSEAGTLSTTPVDTSTPVTTSTKASS
PTTAEGIVVPISTASEGSTLLTSIPVSTTPVASSEASTLSTTPVDT SIPV
TTSTEGSSSPTTAEGTSMPISTPSEVSTPLTSILVSTVPVAGSEASTLST
TPVDTRTPVTTSAEASSSPTTAEGTSMPISTPGERRTPLTSM SVSTMPVA
SSEASTLSRTPADTSTPVTTSTEASSSPTTAEGTGIPSTPSEGSTPLTS
IPVSTTPVAIPEASTLSTTPVDSNSPVVTSTEVSSTTPAEGTSMPISTY
SEGSTPLTGVPVSTTPVSSAISTLSTTPVDTSTPVTTSTEAHSSPTTSE
GTSMPSTPSEGSTPLTYMPVSTMLVVSSEDSTLSATPVDTSTPVTTSTE
ATSSTTAEGTSIPTSTPSEGMTPLTSVPVSNTPVASSEASILSTTPVDSN
TPLTTSTEASSSPTTAEGTSMPTSTPSEGSTPLTSMPVSTTTVASSETST
LSTTPADTSTPVTTYQSASSSPPIADGTSMPTSTYSEGSTPLTNMSFSTT
PVVSSEASTLSTTPVDTSTPVTTSTEASLSPTTAEGTSIPTSSPSEGTPP
LASMPVSTTPVVSSEVNTLSTTPVDSNLTVTSTEAASSSPTIAEGTSLPT
STTSEGSTPLSIMPLSTTPVASSEASTLSTTPVDTSTPVTTSSPTNSSPT
TAEVTSMPSTSTAGEGSTPLTNMPVSTTPVASSEASTLSTTPVDSNTFVTS
SSQASSSPATLQVTTMRMSTPSEGSSSLTMLLSSTYVTSSEASTPSTPS
VDRSTPVTTSTQSNSTPTPPEVITLPMSTPSEVSTPLTIPVSTTSVTIS
EAGTASTLPVDTSTPVITSTQVSSSPVTPEGTTMPIWTPSEGSTPLTTMP
VSTTRVTSSEGSTLSTPSVVTSTPVTTSTEAISSATLDSTTMSVSM PME
ISTLGTTILVSTTPVTRFPESSTPSIPSVYTSMSMTTASEGSSSPTTLEG
TTTMPMSTTSERSTLLTTLVISPISVMSPSEASTLSTPPGDTSTPLLTST
KAGFSIPA EVTITIRISITSERSTPLTLLVSTTLPTSFPGASIASTPPL
DTSTTFTPSDTASTPTIPVATTISVSVITEGSTPGTTIFIPSTPVTSST
ADVFPATTGAVSTPVITSTELNTPSTSSSSTTSFSTTKEFTTPAMTTAA
PLTYVTMSTAPSTPRTTSRGCTTSASTLSATSTPHTSTSVTTRPVTPSSE
SSRPSTITSHTIPPTFPPAHSSTPPTTSASSTTVNPEAVTTMTTRTKPST
RTTSFPTVTTTAVPTNTTIKSNPTSTPTVPRTTTCFGDGCQNTASRCKNG
GTWDGLKCQCPNLYYGELCEEVSSIDIGPPETISAQME LTVTVTSVKFT
EELKNHSSQEFQEFKQTFTEQMNIVYSGIPEYVGVNITKLRLG SVVVEHD
VLLRTKYTP EYKTVLDNATEVVKEKITKVTTQQIMINDICSDMMCFNTTG
TQVQNITVTQYDPEEDCRKMAKEYGDYFVVEYRDQKPYCISPCEPGFSVS
KNCNLGK CQMSLSGPQCLCVTTETHWYSGETCNQGTQKSLVYGLVGAGVV
LMLILVALLMLVFRSKREVKRQKYRLSQLYKWQEEDSGPAPGTFQNI GF
DICQDDDSIHLESIYSNFQPSLRHIDPETKIRIQRPQVMTTSF

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

MUC17

Full Name

Mucin 17, cell surface associated

Introduction

The protein encoded by this gene is a membrane-bound mucin that provides protection to gut epithelial cells. The encoded protein contains about 60 tandem repeats, with each repeat being around 60 aa. N-glycosylation enables the encoded protein to localize on the cell surface, while the C-terminus interacts with the scaffold protein PDZ domain containing 1 (PDZK1). Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene.

Alternative Names

MUC17; MUC3; MUC-3; MUC-17; mucin-17; membrane mucin MUC17; secreted mucin MUC17; small intestinal mucin MUC3; small intestinal mucin-3; Mucin 17, cell surface associated

Gene ID

[140453](#)

UniProt ID

[Q685J3](#)