

Product Information

MemDX™ Membrane Protein Human MUC4 (Mucin 4, cell surface associated) Full Length

Cat. No.: **MPC1805K**

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

This product is a 231.5 kDa Human MUC4 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

MUC4

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

231.5 kDa

TMD

1

Sequence

MKGARWRRVPWWSLSCLCLCLLPHVVP GTTEDTLITGSKTAAPVTSTGST
TATLEGQSTAASSRTSNQDISASSQNHQTKSTETTSKAQDTLTQMMTST
LFSSPSVHNVMETVTQETAPPDEM TTSFPSSVTNTLMMTSKTITMTTSTD
STLGNT EETSTAGTESSTPVTS AVSITAGQEGQSRTTSWR TSIQDTSASS
QNHWTRSTQTTRESQSTLT LTHR TTSTPSFSPSVHNV TGTVSQKTSPSGET
ATSSLC SVTNTSMMTSEKITVTTSTG STLGNPGETSSVPVTGSLMPV TSA
ALVTVDPEGQSPATFSRTSTQD TTAFSKNHQ TQSVETTRVSQINTLNTLT
PVTTSTVLSSPSGFNP SGTVSQETFP SGETTISPPSSVSNTFLVTSKVFR
MPISRDSTLGNT EETSLSVSGTISAITSKVSTIWWSDTLSTALSPSSLPP
KISTAFHTQQSEGAETTGR PHERSSFS PGVSQEIFTLHETTTWPSSFSSK
GHTTWSQTELPSTSTGAATRLVTGNPSTRAAGTIPRVPSKVSAIGEPGEP
TTYSSHSTTLPKTTGAGAQ TQWTQETGTTGEALLSSPSYSVIQMIKTATS
PSSSPMLDRHTSQQITTA PSTNHSTIHSTSTSPQESPAVSQRGHTRAPQT
TQESQTTRSVSPMTD KTKVTTPGSSFTASGHSPSEIVPQDAPTISAATTF
APAPTGNGH TTTQAPTTALQAAPSSH DATLGPSGGTSLSKTGALTLANSVV
STPGGPEGQWTSASASTSPDTAAAMTHTHQAESTEASGQTQTSEPASSGS
RTTSAGTATPSSSGASG TTPSGSEGISTSGETTRFSSNPSRDSHTTQSTT
ELLSASASHGAIPVSTGM ASSIVPGTFHPTLSEASTAGRPTGQSSPTSPS
ASPQETA AISRMAQTQRTGT SRGSDTISLASQATDTFSTVPPTPPSITSS
GLTSPQTQHTLSPSGSKTFTTALISNATPLPVTSTSSASTGHATPLAV
SSATSASTVSSDSPLKMETSGM TTPSLKTDGGRRATSPPTTSTQTIIST

IPSTAMHTRSTAAPILPERGVSLFPYGAGAGDLEFVRRTVDFTSPLFK
PATGFPLGSSLRDSLYFTDNGQIIFPESDYQIFSYPNPLPTGFTGRDPVA
LVAPFWDDADFSTGRGTTYQYETFYGEHSLLVQQAESWIRKMTNNGGY
KARWALKVTWVNAHAYPAQWTLGSNTYQAILSTDGSRSYALFLYQSGGMQ
WDVAQRSGNPVLMGFSSGDGYFENSPLMSQPVWERYRPDRFLNSNSGLQG
LQFYRLHREERNYRLECLQWLKSQPRWPSWGNQVSCPCSWQQGRDLR
FQPVSIGRWGLGSRQLCSFTSWRGGVCCSYGPWGEFREGWHVQRPWQLAQ
ELEPQSWCCRWNKPYLCALYQQRPHVGCATYRPPQPAWMFGDPHITL
DGVSYTFNGLGDFLLVGAQDGNSSFLQGRTAQTGSAQATNFIAFAAQYR
SSSLGPVTVQWLLEPHDAIRVLLDNQTVTFQPDHEDGGGQETFNATGVLL
SRNGSEVSASFSGWATVSVIALSNILHASASLPPEYQNRTEGLLGVVNNN
PEDDFRMPNGSTIPPGSPEEMLFHFGMTWQINGTGLLGKRNDQLPSNFTP
VFYSQLQKNSSWAEHLISNCDGDSSCIYDTLALRNASIGLHTREVSKNYE
QANATLNQYPPSINGGRVIEAYKGQTTLIQYTSNAEDANFTLRDSCDLE
LFENGTLWTPKSLEPFTLEILARSAKIGLASALQPRTVVCHCNAESQCL
YNQTSRVGNSSLEVAGCKCDGGTFGRYCEGSEDACEEPCFPSVHCVPKGK
CEACPPNLTGDGRHCAALGSSFLCQNCQSCPVNVCYNQGHCIYSQTLGCQP
MCTCPPAFTDSRCFLAGNNFSPVTNLELPLRVIQLLLSEEENASMAEVNA
SVAYRLGTLDMRAFLRNSQVERIDSAAPASGSPIQHWMVISEFQYRPRGP
VIDFLNNQLLAADVVEAFLYHVPRRSEEPNDVVFQPIGEDVRDVTALNV
STLKAYFRCDGYKGYDLVYSPQSGFTCVSPCSRGYCDHGGQCQHLPSGPR
CSCVSFSIYTAWGEHCEHLSMKLDAFFGIFFGALGGLLLGVGTFVVLRF
WGCSGARFSYFLNSAEALP

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MUC4

Full Name

Mucin 4, cell surface associated

Introduction

The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a

variable number (>100) of 48 nt tandem repeats.

Alternative Names

MUC4; ASGP; MUC-4; HSA276359; mucin-4; ascites sialoglycoprotein; mucin 4, tracheobronchial; pancreatic adenocarcinoma mucin; testis mucin; tracheobronchial mucin; Mucin 4, cell surface associated

Gene ID

[4585](#)

UniProt ID

[Q99102](#)