

# Recombinant Full Length Mouse MUC5AC Protein, Myc/DDK-tagged

**Cat. No.** MUC5AC-132MFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Mouse MUC5AC Protein, fused to Myc-DDK-tag, was expressed in HEK293T.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Acts upstream of or within maintenance of lens transparency. Located in extracellular space. Is expressed in nasal cavity epithelium; respiratory system; stomach; and testis. Used to study dry eye syndrome. Human ortholog(s) of this gene implicated in dry eye syndrome. Orthologous to human MUC5AC (mucin 5AC, oligomeric mucus/gel-forming).
<b>Form</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
<b>Molecular Mass</b>	298.9 kDa
<b>AA Sequence</b>	<p>MGVGRRKLVPFVWLALALACSQCTGQAQQDSLKSYHEHRSDVPHQPQGHVGTPLN  RVTIIPPLKTIPVVRA FNPGHTRRVCSTWGNFHYKTFDGQVFYFPGLCNVVFSAHCG  DAYEDFNIQLRRVQESNTTTLRVMTMKLD GLVVELTKSSVLVNNHPVQLPFSQSGV  LIELSNGYLKVVVARLGLLFVWNEDDSLLELDTKYTNKTCGLC GDFNGSPKSNEFLS  NNVRLTLEFGNLQKMDGPTEQCQDPLPVPQKNCSARSGICEMILKGELFSGCAAL  VDISSYVEACRQDVCLCESLDPSDCICHTLAEYSRQCAHAGGQPQDWRGPNLCSQ  TCPLNMQHQECGSPC VDTCSNPQHSQVCEDHCIAGCFCPEGMVLDDINQMGCVP</p>

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VSQCACLYNGTLYAPGTNYSTDCTNTCSGGQ WSCQDIPCAGTCSVMGGSHMSTF  
DGRQYTVHGDCTYVLSKPCDSNAFTVLVELRKCLTESETCLKTVTL NLGGGQTEI  
MVKATGEVFNQIYTQLPVSTANATFFRPSTFFIVGETNLGLQLEIQLSPIMQTSVRLK  
PG LRGLTCGLCGNFNSMQADDFQTISGVVEGTAAAFFNTFKTQAACPNVKNIFQDP  
CSLSVENEKYAQHWCS LLTNASGPFSQCHATVNPSTFFSNCMYDTCNCEKSEDC  
MCAALSSYVRACAAKGVLLSDWRDGICTKPTI TCPKSMTYQYHISTCQPTCRALNE  
KDV TCHVSFIPVDGCTCPKGTFLDDLKGCVQATSCPCYYKGSTVPN GESVQDSGAI  
CTCTQGALTCIGGPAPTPVCDAPMIYFDCHNATPGDTGAGCQKSCHTLDMTCYSSE  
CVPG CVC PNGLVADGNNGCVVTEDCPCVHNEATYRPGETIQVGCNNCTCENRMW  
QCTDKPCLATCAVYGDGHIY TFDGQRYSFNGDCEYLLQDNCGGNGSSQDAFRVI  
TENIPCGTTGTTCSKSIKIFLGNIELKLSDSKMEV VQKDVGQEPYFVHQMGNYLVV  
ETDIGLVLLWDKKSIFLRLSPEFKGRVCGLCGNFDDNAINDFTTRSQ SVVSDMLEF  
GNSWKLSPSCPDLVLPKDPCTANPYRKSWAQKQCSIINSETFSACHAVEPAKYE  
ACVND ACACDSGGDCECFCTTVAAYAQACHEVGVCVSWRTPDICPLFCDYYNPE  
GQCEWHYQPCGAPCMRTCQNP TGQCLQDLRGLEGYCPKCPPTAPIFDEGTMQCV  
SNCTVTFPCR VNGKLYRPGASVPSDKNCDSCICTESG VRCTHNAGACVCTYNGQQ  
FHPGEIYHTTDGIGGCISAHCRANGTIERSVDTCNSTTPTPTTFSFSTPP VMTSMQ  
PSSHTSSPTPSVGSSGASSKAATSSILSVKSPVTAPMTMSTSASAVTTSGCREEC  
LWSPWMD VSRPGRGIDSGDFDTLENLRAHGYPICQVPKAVECRAEASPGVPLPEL  
QQHLECSTTVGLICYNSDQLSG LCDNYQIKVQCCTPVSCPTSQTTHVISSRRTNLD  
NTTSSVPVTSTEHPYSSTVTSGSSTHTPGLSPSS VPSSPTPASSTPAPVSSTTVKT  
TLPITSPTPEPTPAISSVSISTSGSTMPSSETTHECKQELCNWTNWLD GSYPGSGRN  
SGDFDTFVNLR SKGYKFCEKPRNVECRAQFFPNTPLEELGQNVTC SREEGLICLNK  
NQLPP MCYNYEIRIECCTVVNNCSTASVTTHTPTSHGVSTKTETNWTTHVYSSPTKD  
TSSH SATIDTKWTSGISH TTTQPVTTHCQLQCNWTKWFD TDFVPVPGPHGGDLETY  
SNIERSGERLCHREEITQLQCRAKNYPEREMED LGQVVKCDPSVGLVCNNRDQGG  
DSGMCLNIEVRLCCHIPEDCPRTDQTSPVTL SHKPSSAVVSPSSVSP SLSTSHRV  
HSTTPCFCSVSGQLYPLGSIINQTDLDGH CYAMCSQDCQVVKRVSQDCPSTMP  
PATTLS TSTTPPVTGRDRCNVFPRLRGETWPMPNCSQATCEGNNVISLSRQCP  
ELNEPSCANGYPPLKVDDQDG CCQHYQCQCVC SGWGDPHYITFDGTYTFLDNC

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TYVLVQQIVPVFGYFRVLIDNYYCDVGDSVSCPQSII VEYHQDRVVLTRRPVSGVMT  
 NQIIFNNKVVSPGFQQNGIVTSRVGIKMYVTIQEIGVRVMFSGLIFSVEV PFNLFANNT  
 EGQCGTCTNDKKDECRLPGGSIASSCSEMHLHWKVPNQPSCQGPPPTPTSVVPRP  
 SPTPCP PSPLCELILSNTFKLCHDVIPPLQFYQGCLFDYCHMLDLEVVCSGLELYASL  
 CAAQGVCIWRSQTNNTC SFTCPDNQVYQPCGSPNPHYCYRDDSISPSLTLQEAG  
 PKTEGCFPCDSTTLFSTNDSICVPSCQWCLGPR GEPVEPGHTISIDCQDCICKEATL  
 TCQKKACPQPTCPEPGFVVPVALEAGQCCPQFSCACNSSHCPPPL HCPKNSSLI  
 VTYEEGACCPTQNCSSQKGCEVNGTLYQPGDVVSSSLCERCLCEVSSNPLSDVFM  
 VSCETE LCNTQCPKGSEYQAMPGQCCGKCIPKTCPFKNNSGSTYFYQPGEWAEP  
 GNPCVTHKCEKFQDVLMMVTM KTECPKINCPQGQAQLREDGCCYDCPLPNQKQC  
 TVHQRQQIIRQQNCSSEGPVSIYCQGNCGDSISMYS LEANKVEHTCECCQELQTS  
 QRNVTLRCDDGSSQTFSTYQVEKCGCLGQQCHALGDTSHAESSEQEFKSKE SEE  
 HGQQLAFRVEDMLGPFQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Notes** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade after receiving vials.

**Concentration** >0.05 g/μ as determined by microplate Bradford method.


**Full Length** Full L.

## GENE INFORMATION

**Gene Name** *Muc5ac mucin 5, subtypes A and C, tracheobronchial/gastric* [ *Mus musculus* (house

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	mouse) ]
<b>Official Symbol</b>	<a href="#">MUC5AC</a>
<b>Synonyms</b>	MGM; 2210005L13Rik
<b>Gene ID</b>	<a href="#">17833</a>
<b>mRNA Refseq</b>	<a href="#">NM_010844.3</a>
<b>Protein Refseq</b>	<a href="#">NP_034974.2</a>
<b>UniProt ID</b>	<a href="#">E9PWB6</a>
<b>SDS-PAGE</b>	Purified recombinant protein Muc5ac was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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