

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Mouse MUC5AC Protein, fused to Myc-DDK-tag, was expressed in HEK293T.
Species	Mouse
Source	HEK293
Description	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).
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
Molecular Mass	298.9 kDa
AA Sequence	MGVGRRKLVPFWVLALALACSQCTGQAQQDSLKSYHEHRSDVPHPPQGHVGTPLN RVTIIPPLKTIPVVRA FNPGHTRRVCSTWGNFHYKTFDGQVFYFPGLCNVVFSAHCG DAYEDFNIQLRRVQESNTTTLRVMTMKLD GLVVELTKSSVLVNNHPVQLPFSQSGV LIELSNGYLKVVVARLGLLFVWNEDDSLLELDTKYTNKTCGLC GDFNGSPKSNEFLS NNVRLTPLEFGNLQKMDGPTEQCQDPLPVPQKNCSARSGICEMILKGELFSGCAAL VDISSYVEACRQDVCLCESLDPSDCICHTLAEYSRQCAHAGGQPQDWRGPNLCSQ TCPLNMQHQECGSPC VDTCSNPQHSQVCEHDHCIAGCFCPEGMVLDDINQMGCVP

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VSQCACLYNGTLYAPGTNYSTDCTNTCSGGQ WSCQDIPCAGTCSVMGGSHMSTF
DGRQYTVHGDCTYVLSKPCDSNAFTVLVELRKCGLTESETCLKTVTL NLGGGQTEI
MVKATGEVFNQIYTQLPVSTANATFFRPSTFFIVGETNLGLQLEIQLSPIMQTSVRLK
PG LRGLTCGLCGNFNSMQADDFQTISGVVEGTAAAFFNTFKTQAACPNVKNIFQDP
CSLSVENEKYAQHWCS LLTNASGPFSQCHATVNPSTFFSNCMYDTCNCEKSEDC
MCAALSSYVRACAAKGVLLSDWRDGICTKPTI TCPKSMTYQYHISTCQPTCRALNE
KDVTCHVSFIPVDGCTCPKGTFLDDLKGCVQATSCPCYYKGSTVPN GESVQDSGAI
CTCTQGALTCIGGPAPTPVCDAPMIYFDCHNATPGDTGAGCQKSCHTLDMTCYSSE
CVPG CVCPNGLVADGNGGCVVTEDCPCVHNEATYRPGETIQVGCNNCTCENRMW
QCTDKPCLATCAVYGDGHI TFDGQRYSFNGDCEYLLQDNCGGNGSSQDAFRVI
TENIPCGTTGTTCSKSIKIFLGNIELKLSDSKMEV VQKDVGQEPPYFVHQMGNYLVV
ETDIGLVLLWDKKSIFLRLSPEFKGRVCGLCGNFDDNAINDFTTRSQ SVVSDMLEF
GNSWKLSPSCPDVLVPKDPCTANPYRKSWAQKQCSIINSETFSACHAVEPAKYE
ACVND ACACDSGGDCECFCTTVAAYAQACHEVGVCVSWRTPDICPLFCDYYNPE
GQCEWHYQPCGAPCMRTCQNP TGQCLQDLRGLEGCPKCPPTAPIFDEGTMQCV
SNCTVTFPCRNVNGKLYRPGASVPSDKNCDSCICTESG VRCTHNAGACVCTYNGQQ
FHPGEIYHTTDGIGGCISAHCRANGTIERSVDTCNSTTPTPTTFSFSTPP VMTSMQ
PSSHTSSPTPSVGSSGASSKAATSTSSILSVKSPVTAPMTMSTSASAVTTSGCREEC
LWSPWMD VSRPGRGIDSGDFDTLENLRAHGYPICQVPKAVECRAEASPGVPLPEL
QQHLECSTTVGLICYNSDQLSG LCDNYQIKVQCCTPVSCPTSQTTHVISSSRTTNLD
NTTSSVPVTSTEHPYSSTVTSGSSTHTPGLSPSS VPSSPTPASSTPAPVSSTTVKT
TLPITSPTPEPTPAISSVSISTSGSTMPSETTHECKQELCNWTNWLD GSYPGSGRN
SGDFDTFVNLRSGYKFCEKPRNVECRAQFFPNTPLEELGQNVTCSSREEGLICLNK
NQLPP MCYNYEIRIECCTVVNNCSTASVTTHPTSHGVSTKTETNWTTHVYSSPTKD
TSSHSAIDTKTWTSGISH TTTQPVTHCQLQCNWTKWFDTDFFVPVPGPHGGDLETY
SNIERSGERLCHREEITQLQCRAKNYPEREMED LGQVVKCDPSVGLVCNNRDQGG
DSGMCLNYEVRLLCCHIPEDCPRTDQTSPVTLSHKPSSAVVSPSSVSP SLSTSHRV
HSTTPCFCSVSGQLYPLGSIIYNQTDLDGHCYYAMCSQDCQVVKRVSQDCPSTMP
PATTLS TSTTPPVTGRDRCNVFPRLRGETWMPNCSQATCEGNNVISLSRQCP
ELNEPSCANGYPPLKVDDQDG CCQHYQCQCVCSGWGDPHYITFDGTYYTFLDNC

TYVLVQQIVPVFGYFRVLIDNYYCDVGDVSCPQSII VEYHQDRVVLTRRPVSGVMT
 NQIIFNNKVVSPPGFQQNGIVTSRVGIKMYVTIQEIGVRVMFSGLIFSVEV PFNLFANNT
 EGQCGTCTNDKKDECRLPGGSIASSCSEMSLHWKVPNQPSCQGPPPTPTSVMVPRP
 SPTPCP PSPLCELILSNTFKLCHDVIPPLQFYQGCLFDYCHMLDLEVVCSGLELYASL
 CAAQGVCIWRSQTNNTC SFTCPDNQVYQPCGPSNPHYCYRDDSISPSLTLQEAG
 PKTEGCFPCDSTTLFSTNDSICVPSCQWCLGPR GEPVEPGHTISIDCQDCICKEATL
 TCQKKACPQPTCPEPGFVPVPVALEAGQCCPQFSCACNSSHCPPPL HCPKNSSLI
 VTYEEGACCPTQNCSSQKGCEVNGTLYQPGDVVSSSLCERCLCEVSSNPLSDVFM
 VSCETE LCNTQCPKGSEYQAMPGQCCGKCIPKTCPFKNNSGSTYFYQPGELWAEP
 GNPCVTHKCEKFQDVLMVVTM KTECPKINCPQGQAQLREDGCCYDCPLPNQKQC
 TVHQRQQIIRQQNCSSEGPVSISYCQGNCGDSISMYS LEANKVEHTCECCQELQTS
 QRNVTLRCDDGSSQTFSYTQVEKCGCLGQQCHALGDTSHAESSEQEFKSKE SEE
 HGQQLAFRVSEDMLGPFQ 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 µg/µl as determined by microplate Bradford method.
Full Length	Full L.

GENE INFORMATION

Gene Name	Muc5ac mucin 5, subtypes A and C, tracheobronchial/gastric [<i>Mus musculus</i> (house
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	mouse)]
Official Symbol	MUC5AC
Synonyms	MGM; 2210005L13Rik
Gene ID	17833
mRNA Refseq	NM_010844.3
Protein Refseq	NP_034974.2
UniProt ID	E9PWB6
SDS-PAGE	Purified recombinant protein Muc5ac was analyzed by SDS-PAGE gel and Coomossie Blue Staining.