# Recombinant Human Histone-lysine N-methyltransferase 2C (KMT2C), partial

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| **Product Code** | CSB-YP822778HU |
| **Abbreviation** | KMT2C |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | Q8NEZ4 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | ≥85% (SDS-PAGE) |
| **Sequence** | MSSEEDKSVE QPQPPPPPPE EPGAPAPSPA AADKRPRGRP RKDGASPFQR ARKKPRSRGK TAVEDEDSMD GLETTETETI VETEIKEQSA EEDAEAEVDN SKQLIPTLQR SVSEESANSL VSVGVEAKIS EQLCAFCYCG EKSSLGQGDL KQFRITPGFI LPWRNQPSNK KDIDDNSNGT YEKMQNSAPR KQRGQRKERS PQQNIVSCVS VSTQTASDDQ AGKLWDELSL VGLPDAIDIQ ALFDSTGTCW AHHRCVEWSL GVCQMEEPLL VNVDKAVVSG STERCAFCKH LGATIKCCEE KCTQMYHYPC AAGAGTFQDF SHIFLLCPEH IDQAPERSKE DANCAVCDSP GDLLDQFFCT TCGQHYHGMC LDIAVTPLKR AGWQCPECKV CQNCKQSGED SKMLVCDTCD KGYHTFCLQP VMKSVPTNGW KCKNCRICIE CGTRSSSQWH HNCLICDNCY QQQDNLCPFC GKCYHPELQK DMLHCNMCKR WVHLECDKPT DHELDTQLKE EYICMYCKHL GAEMDRLQPG EEVEIAELTT DYNNEMEVEG PEDQMVFSEQ AANKDVNGQE STPGIVPDAV QVHTEEQQKS HPSESLDTDS LLIAVSSQHT VNTELEKQIS NEVDSEDLKM SSEVKHICGE DQIEDKMEVT ENIEVVTHQI TVQQEQLQLL EEPETVVSRE ESRPPKLVME SVTLPLETLV SPHEESISLC PEEQLVIERL QGEKEQKENS ELSTGLMDSE MTPTIEGCVK DVSYQGGKSI KLSSETESSF SSSADISKAD VSSSPTPSSD LPSHDMLHNY PSALSSSAGN IMPTTYISVT PKIGMGKPAI TKRKFSPGRP RSKQGAWSTH NTVSPPSWSP DISEGREIFK PRQLPGSAIW SIKVGRGSGF PGKRRPRGAG LSGRGGRGRS KLKSGIGAVV LPGVSTADIS SNKDDEENSM HNTVVLFSSS DKFTLNQDMC VVCGSFGQGA EGRLLACSQC GQCYHPYCVS IKITKVVLSK GWRCLECTVC EACGKATDPG RLLLCDDCDI SYHTYCLDPP LQTVPKGGWK CKWCVWCRHC GATSAGLRCE WQNNYTQCAP CASLSSCPVC YRNYREEDLI LQCRQCDRWM HAVCQNLNTE EEVENVADIG FDCSMCRPYM PASNVPSSDC CESSLVAQIV TKVKELDPPK TYTQDGVCLT ESGMTQLQSL TVTVPRRKRS KPKLKLKIIN QNSVAVLQTP PDIQSEHSRD GEMDDSREGE LMDCDGKSES SPEREAVDDE TKGVEGTDGV KKRKRKPYRP GIGGFMVRQR SRTGQGKTKR SVIRKDSSGS ISEQLPCRDD GWSEQLPDTL VDESVSVTES TEKIKKRYRK RKNKLEETFP AYLQEAFFGK DLLDTSRQSK ISLDNLSEDG AQLLYKTNMN TGFLDPSLDP LLSSSSAPTK SGTHGPADDP LADISEVLNT DDDILGIISD DLAKSVDHSD IGPVTDDPSS LPQPNVNQSS RPLSEEQLDG ILSPELDKMV TDGAILGKLY |

KIPELGGKDV EDLFTAVLSP ANTQPTPLPQ PPPPTQLLPI HNQDAFSRMP
LMNGLIGSSP HLPHNSLPPG SGLGTFSAIA QSSYPDARDK NSAFNPMASD
PNNSWTSSAP TVEGENDTMS NAQRSTLKWE KEEALGEMAT VAPVLYTNIN
FPNLKEEFPD WTTRVKQIAK LWRKASSQER APYVQKARDN RAALRINKVQ
MSNDSMKRQQ QQDSIDPSSR IDSELFKDPL KQRESEHEQE
WKFRQQMRQK SKQQAKIEAT QKLEQVKNEQ QQQQQQQFGS
QHLLVQSGSD TPSSGIQSPL TPQPGNGNMS PAQSFHKELF TKQPPSTPTS
TSSDDVFVKP QAPPPPPAPS RIPIQDSLSQ AQTSQPPSPQ VFSPGSSNSR
PPSPMDPYAK MVGTPRPPPV GHSFSRRNSA APVENCTPLS SVSRPLQMNE
TTANRPSPVR DLCSSSTTNN DPYAKPPDTP RPVMTDQFPK SLGLSRSPVV
SEQTAKGPIA AGTSDHFTKP SPRADVFQRQ RIPDSYARPL LTPAPLDSGP
GPFKTPMQPP PSSQDPYGSV SQASRRLSVD PYERPALTPR PIDNFSHNQS
NDPYSQPPLT PHPAVNESFA HPSRAFSQPG TISRPTSQDP YSQPPGTPRP
VVDSYSQSSG TARSNTDPYS QPPGTPRPTT VDPYSQQPQT PRPSTQTDLF
VTPVTNQRHS DPYAHPPGTP RPGISVPYSQ PPATPRPRIS EGFTRSSMTR
PVLMPNQDPF LQAAQNRGPA LPGPLVRPPD TCSQTPRPPG PGLSDTFSRV
SPSAARDPYD QSPMTPRSQS DSFGTSQTAH DVADQPRPGS
EGSFCASSNS PMHSQGQQFS GVSQLPGPVP TSGVTDTQNT
VNMAQADTEK LRQRQKLREI ILQQQQQKKI AGRQEKGSQD SPAVPHPGPL
QHWQPENVNQ AFTRPPPPYP GNIRSPVAPP LGPRYAVFPK DQRGPYPPDV
ASMGMRPHGF RFGFPGGSHG TMPSQERFLV PPQQIQGSGV
SPQLRRSVSV DMPRPLNNSQ MNNPVGLPQH FSPQSLPVQQ HNILGQAYIE
LRHRAPDGRQ RLPFSAPPGS VVEASSNLRH GNFIPRPDFP GPRHTDPMRR
PPQGLPNQLP VHPDLEQVPP SQQEQGHSVH SSSMVMRTLN
HPLGGEFSEA PLSTSVPSET TSDNLQITTQ PSDGLEEKLD SDDPSVKELD
VKDLEGVEVK DLDDEDLENL NLDTEDGKVV ELDTLDNLET NDPNLDDLLR
SGEFDIIAYT DPELDMGDKK SMFNEELDLP IDDKLDNQCV SVEPKKKEQE
NKTLVLSDKH SPQKKSTVTN EVKTEVLSPN SKVESKCETE KNDENKDNVD
TPCSQASAHS DLNDGEKTSL HPCDPDLFEK RTNRETAGPS ANVIQASTQL
PAQDVINSCG ITGSTPVLSS LLANEKSDNS DIRPSGSPPP PTLPASPSNH
VSSLPPFIAP PGRVLDNAMN SNVTVVSRVN HVFSQGVQVN PGLIPGQSTV
NHSLGTGKPA TQTGPQTSQS GTSSMSGPQQ LMIPQTLAQQ NRERPLLLEE
QPLLLQDLLD QERQEQQQQR QMQAMIRQRS EPFFPNIDFD AITDPIMKAK
MVALKGINKV MAQNNLGMPP MVMSRFPFMG QVVTGTQNSE
GQNLGPQAIP QDGSITHQIS RPNPPNFGPG FVNDSQRKQY EEWLQETQQL
LQMQQKYLEE QIGAHRKSKK ALSAKQRTAK KAGREFPEED AEQLKHVTEQ
QSMVQKQLEQ IRKQQKEHAE LIEDYRIKQQ QQCAMAPPTM MPSVQPQPPL
IPGATPPTMS QPTFPMVPQQ LQHQQHTTVI SGHTSPVRMP SLPGWQPNSA
PAHLPLNPPR IQPPIAQLPI KTCTPAPGTV SNANPQSGPP PRVEFDDNNP
FSESFQERER KERLREQQER QRIQLMQEVD RQRALQQRME
MEQHGMVGSE ISSSRTSVSQ IPFYSSDLPC DFMQPLGPLQ
QSPQHQQQMG QVLQQQNIQQ GSINSPSTQT FMQTNERRQV
GPPSFVPDSP SIPVGSPNFS SVKQGHGNLS GTSFQQSPVR PSFTPALPAA
PPVANSSLPC GQDSTITHGH SYPGSTQSLI QLYSDIIPEE KGKKKRTRKK
KRDDDAESTK APSTPHSDIT APPTPGISET TSTPAVSTPS ELPQQADQES
VEPVGPSTPN MAAGQLCTEL ENKLPNSDFS QATPNQQTYA NSEVDKLSME
TPAKTEEIKL EKAETESCPG QEEPKLEEQN GSKVEGNAVA CPVSSAQSPP
HSAGAPAAKG DSGNELLKHL LKNKKSSSLL NQKPEGSICS EDDCTKDNKL
VEKQNPAEGL QTLGAQMQGG FGCGNQLPKT DGGSETKKQR
SKRTQRTGEK AAPRSKKRKK DEEEKQAMYS STDTFTHLKQ QNNLSNPPTP

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| | PASLPPTPPP MACQKMANGF ATTEELAGKA GVLVSHEVTK TLGPKPFQLP FRPQDDLLAR ALAQGPKTVD VPASLPTPPH NNQEELRIQD HCGDRDTPDS FVPSSSPESV VGVEVSRYPD LSLVKEEPPE PVPSPIIPIL PSTAGKSSES RRNDIKTEPG TLYFASPFGP SPNGPRSGLI SVAITLHPTA AENISSVVAA FSDLLHVRIP NSYEVSSAPD VPSMGLVSSH RINPGLEYRQ HLLLRGPPPG SANPPRLVSS YRLKQPNVPF PPTSNGLSGY KDSSHGIAES AALRPQWCCH CKVVILGSGV RKSFKDLTLL NKDSRESTKR VEKDIVFCSN NCFILYSSTA QAKNSENKES IPSLPQSPMR ETPSKAFHQY SNNISTLDVH CLPQLPEKAS PPASPPIAFP PAFEAAQVEA KPDELKVTVK LKPRLRAVHG GFEDCRPLNK KWRGMKWKKW SIHIVIPKGT FKPPCEDEID EFLKKLGTSL KPDPVPKDYR KCCFCHEEGD GLTDGPARLL NLDLDLWVHL NCALWSTEVY ETQAGALINV ELALRRGLQM KCVFCHKTGA TSGCHRFRCT NIYHFTCAIK AQCMFFKDKT MLCPMHKPKG IHEQELSYFA VFRRVYVQRD EVRQIASIVQ RGERDHTFRV GSLIFHTIGQ LLPQQMQAFH SPKALFPVGY EASRLYWSTR YANRRCRYLC SIEEKDGRPV FVIRIVEQGH EDLVLSDISP KGVWDKILEP VACVRKKSEM LQLFPAYLKG EDLFGLTVSA VARIAESLPG VEACENYTFR YGRNPLMELP LAVNPTGCAR SEPKMSAHVK RFVLRPHTLN STSTSKSFQS TVTGELNAPY SKQFVHSKSS QYRKMKTEWK SNVYLARSRI QGLGLYAARD IEKHTMVIEY IGTIIRNEVA NRKEKLYESQ NRGVYMFRMD NDHVIDATLT GGPARYINHS CAPNCVAEVV TFERGHKIII SSSRRIQKGE ELCYDYKFDF EDDQHKIPCH CGAVNCRKWM N |
| **Source** | Yeast |
| **Target Names** | KMT2C |
| **Protein Names** | Recommended name: Histone-lysine N-methyltransferase MLL3 EC= 2.1.1.43Alternative name(s): Homologous to ALR protein Lysine N-methyltransferase 2C Short name= KMT2C Myeloid/lymphoid or mixed-lineage leukemia protein 3 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | partial |
| **Reconstitution** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |