

Results of translation

- Open reading frames are highlighted in red
- Select your initiator on one of the following frames to retrieve your amino acid sequence

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5'3' Frame 1

MENTTQPTQQSQAATQRFLIEKFSQEQIGENIVRCVICTTGOQIPIRDLSADISOVLKEKRSIKKVVTFGRNPACDYHLGNISRLSNKHQFILLGEDGNLLNDISTNGTWLNGQKVEKNSNQLLSQGDDEITVGVGVESDILSLVIFINDKFKQCLEQNKVDRIRSNLKNSTKIASPGLTSTASSMVANKTGIFKDFSIIDEVVGQGAFAVTKKAIERTTGTGTFAVKIISKRRVIGNMDGVTRLEVLQKLNHPRIVRKGFVEDTESYYMVMFEVSGGDLMDFAAHGAVGEDAGREISRQILTAIKYIHSMGISHRDLKPDNILLQDDPVLVKITDFGLAKVQNGSFMKTFCGTLAYVAPEVIRGKDTSVSPDEYEEERNEYSSLVDMWSMGCLVYVILTGHLFPFSGSTQDQLYKQIGRGSYHEGPKDFRISEEARDFIDSLQVDPNNRSAAKALNHPWIKMSPLGSQSYGDFSQISLSQSLSQQKLLNMDDAQYEFVKAQRKLQMEQQLQEQQDQDQDKIQGFKIPAHAPIRYTQPKSIEAETREQKLLHSNNTENVKSSKKKNGRFLTLKPLPDSIQESLEIQQGVNPFPIGRSEDCNCKIEDNRLSRVHCFIKKRAHVAGKSMYESPAQGLDDIWCYHTGTNVSYLNNRMIQGTKFLQDGDDEIKIWDKNNKFVIGFVKEINDTGLFNEGLMLQEORVVLKQTAEKDLVKKLTQMMAAQRANQPSASSSSMSAKKPPVSDTNNNGNNSVLNDLVESPINANTGNILKRHSVLSLSQSDIDPSKKVKRAKLDQTSKGPENLQFS-

5'3' Frame 2

WKILHNPHSNPRLLKGF-LRSFLKNRSAKTLCAGSFVPRVKFPEICQLIFHKCLRKNDP-RKFGHLVETQPVTVII-ETFQDCQISISKYY-EKTVTFY-MTFPLMGPG-MGKKSRRRTAISYCLKVMK-PLV-AWNQIFYLWFSF-TTNLSSASSRKLIA-DLT-KIPLK-LLVLVHLLHHQWVPTLRFVLRIFRLLTKWVARVHLPO-RKPLKELLGKHSR-RL-VNAK--AIWMV-QES-KYCKSSIQGYD-KDFMKILRVIIW-WSSFLVVT-WILLLLMVRLEKMLGGRYPGRYSQQ-NTFTLWASAIVT-SPIIFLLNKTILYW-R-PTLVQKQYKEMGLL-KPSVALWHMWHLKSSEVKIHPYLLMNTKKGMSLTLR-WICGQWDVLCMLS-RATYLLVVAHRTNYINRLEBAHMKGPSKISGYLKKQEIS-IHCYRWIQTIGRQIQKP-IIPGSR-VHWAHNMVIFHKYYPYHNCRSRNY-KIWTMLNLTNLSKRKGNKYKWSNNFNKRIRKTKMEKFKDLKYPHTPLFDIHPKALKQKLENKNFYIPIILRMSAQRKRVMVGE-L-NHCLTALFKKAWRFPSKV-IHFLVDPRIAIVKLTIGCLEF IASFSKRGML-AKACMNLRRHKV-MIFGIATPELT-AI-IITA-YRVNSFYKTEMKRSRFGKITINLSLALKWKLTILOVCLTRD-VCYKNKE-YLSKQPKKIW-KS-PR-WQLNVQINPRLLLHQCLRSLRQLAIQITAIIRY-TTW-SHRLMRIRGTF-REYIR-VYRNHKLILVRRKLGQNTKPKQKAPRICNFR

5'3' Frame 3

GKYYTHTTAIHAGYSKVF-D-EVFSRTRDRKHCVQGHLYHGSNSHPRFVS-YFTSA-GKTIHKESLDIW-KPSL-LSFRKHFKTVK-AFPNTRRRR-PFIE-HFH-WDLVKWAKSREEQSVTVSR--NNRWCRRGIRYFISGHFHKROI-AVPRAEQS-SHKI-PEKYL-NSFSWSYIYCIINGGQDDWYF-GFFDY-RSGGPGCICHSKESH-KNYWENIRGEDYK-TQSNRQYGCWCKRVRSAKAQSSKDDSTIERIL-RY-ELLYGDGVRFWW-LNGFCCCSWCGWRRRCWEGDIQADTHSNKIHSLYGHQPS-PKAR-YSY-TRRSIGIDNRLWSGKSTRKWWFYENLLWHFGICGT-SHQR-RYIRIS--IRRKE-VLFSGYVVMNSCVCYPNGPLTF-W-HTGPII-TDWKRLIS-RAPQRFDDI-RSKRFHRFIVTGGSK--VDSCKSLESSLDQDESIGLTIIW-FFTNLLTIVVAAEIIIRYGRCSIRIQCSAKEITNGATTSRGTSGRPRWKNRSRI-NTRTRPSYIYTAQKH-SRN-RTKTFTFQ-Y-ECQELKEKG-W-VFNFKTIA-QHYSRKPQDSARCESIFHW-IRGLQL-N-RQ-VVSSLLHFQKEACCRQKHV-ISGTRFR-YLVLPHRN-RELFK--PHDTGYEIPFTRRR-NQDHLG-KQ-ICHWL-SGN-RYRSV-RGIRYVTRTKSST-ANSRRRFRGKVNPDGSSSTCKSTLGFFFINVG-EAAS-RYK--RQ-FGTRKLRGVTD-CEYGBHEENTFGKFIATIN-S--EG-KGKIGPNLKRPREFAIFV

3'5' Frame 1

LRKLIQILGAF-GLVQFCPFNLLTRINL-LR-TYRMYSLQNVPRIRINR-LYQVV-YRIIAVIAICIANWRLLSRH--RRSRGLICTLSCHHLG-LFHQIFFFGCLLKYYSFLF-HT-SLVKQTCISIVNFHFKANDKFIVFIPNDLDFISVL-KEFRTLYHA VII-IAHVSSGVAIPNI I-TLCRRFIHAFAYSMPLEFENEAMNSRQPIVFNFTIALLGSTNEKWIHTLLNLQAFLNNAVROWF-S-KPTITLFL-ALDILSIIIGM-KLFLSSFCFNAFGLCISNRGVCYFKSLNFSILVFLILFKLLLHL-FPLRFDKFVLSIVHIF--FLLRQLR--GYL-KITI-L-AQWTHLDPGMIQGFCSRCRPIIWIHL-Q-IYEISCFFRYPEIFEGPFMI-ASSNLFI-LVLCATTKR-VAR-DNIHKTSH-PHIH-RRVLIPEFVFIIRYGCIFTSDDFRCHICQASATEGFHRRPISLYFCQTKVGYLYQYRIVLKNKIIGL-VTMADAHRVNVFYCYCEYLPGLYPPSIFSNRTMSSNKI-H-VTRNRLHHHIIPLSIFIKSFSQSYYPWIMIELLQYF-LSCHTIIHIAFYFAFTYNLHRECFPSSSFFNGFLYCGKCTLAHHFVNNRKILKNTSLVGH--CSR-CKTRRSYFRGIFQVRSYAINFVLLLEALLKVVYENDQR-NI-FHAYTNGYFITLRQ-LIAVLDFLPI-PGPISGNVIQ-KVTVFS--YLEML-QS-NVS-MIVTGWVSTKCPNPLYGSEFFLKLH-NIS-QISDGNLTRGTNDPAHNVFADFLRLKLLNQKPLSSRLGLLCLGNIFH

3'5' Frame 2

YENCKFSGPFVWNSFALLTFLLSICDCDKLTECILFKMFPVFALIGDSTKSFSTELLPLLVSLTGGFLADIDEEAEQ-FAR-AAIWNVFTKSFSSAVCLSTTLCSNIPNPSLNRPVVSLISTLKPMTNLLFSLQMILISSPCKRNFVPCIMRLLFK-LTLVVPVQYQISSKPCAGDSYMLLPTACLFKMKQ-TRDNLSSILQLQSSDLPKNGFTPC-ISRLS-IMLSGNGFKVKNLPLPFFELLTFSVLECKSFCSLVASAMLLGCYVIRIGACAGILNP-IFPSWSS-SCS-SCCSICNFCALTNSY-ASSIFSNFCCDNDCKDKICEKSPYDCEPNGLLIQGFKAFAAVDLLPGSTCNNE-SMKSGLASDIRKSLRGPS-VEPLPICLNVWSCVLPLKGWPRVIRIYTRHPIDHISNTEEYFSLSSYSGDTPVSLPLMTSGAYAKVPQKVFIKDPPFCTFA RPKSVIFNTGSSCSIRILSGFRSRWLMPIE-MYFIAVSIICLDISLPASSPTAP-AATKSISKPPETNSITI--LSVSS-NPNRTILG-LSFCNTSNLVTSPILPITLRLIIIFANVFPVLSMAFFTVANAPWPTTSSIIEKSLKIPVLLATIDDAVDDRVRGEALIEVFFRLDLMRSLTFLCSRHLNLSFMKMTDRKIDSSTPTPTVISSP-DGN-LLFFSTFCFPNQVPLVEMSFNKRLLPSSPSSIIWKCLFDSLEMFPK--SQAGFLPNVQTFMDFRSLSTCEISADKSRMGI-PVVQMTLTMFSPICS-ENFSIKNL-VACVDCVCGCVIFS

3'5' Frame 3

TKIANSRGLRFGPILPF-PSY-DQFVIAINLPNVFSKCSPYSH-SVTLPSRLVPNYCRYLYR-LAAS-PTLMKKKPRVDLHVELPSSGLTFSPNLFRLFA-VLLFVLVTYLIPR-TDL-YR-FPL-SQ-QIYCFYPK-S-FHLRLVKGISYPVSCGYLNSRR-FRCNGTKYHLNLVPEIHTCFCLQHASF-K-SNELETTYCLQFYNCNPRIQ-KMDSHLAESPGFLE-CCQAMVLKLTXYHYFSLSS-HSQYYWNVKVFVL-FLQCFWAVYIE-GRVRF-ILEFFHGLPDPVLEVVAPFVISFAL-QIRIEHRPYFLII SAATFIVIRIFVKNHHMIVSPMDSS-SRDDSRLLQLSTYYLDPVTVMLN-LLLLQLISGNL-GALHDMSLFQSVYIIGPVCH-KVSGPLG-HTQDIPLTYPPLTKSTHSFLRIHQEIRMYLYL--LQVPHMPKCHRRFS-KTHFLVLLPDQSRLSLPIQDRLVQ-EYRALHGDG-CP-SECLLL-VSAWISPSQHLQPHEEQNPLSHQKRTSPSPYNNQYHLKILSLVSLDD-AFALLTLLSHHPYCLLVCYL--SSPRMFSQ-FQWLSLLWQMHGPPPLRQ-SKNP-KYQSCWPPMLMQ-MM-DQEKL-FRYFSG-ILCDQLCSARGTA-ICRL-K-PEIKYILPRHLRQLFHLETVTDCSSRLFAHLTRSH-WKCHSIKGYRLLLVVFNAYLTVLKCFLNDSHRLGFYQMSKLSLWIVFP-ALVKYQLTNLWGFDPWYK-PTCQCFRRSVLEKTSQSKTFE-PAWIAWVVV-YFP