

UniprotKB ID	Entry name	organism	full name	oglcnacscore	oglcnac sites	phosphorylation sites	PMIDS	sequence
E9PVA8	GCN1_MOUSE	Mus musculus	eIF-2-alpha kinase activator GCN1	10.80274	NaN	S729;S786;S2276	33300544;34887587	MAADTQVSETLKRFAVKVTTASVKE RREILSELGRCIAGKDLPEGAVKGLC KLFCLTLHRYRDAASRRALQAAIQQL AEAQPEATAKNLLHSLQSSGVGSKA CVPSKSSGSAALLALTWTCLLVRIVF PLKAKRQGDWIKLVEVQCLLLLEV LGGSHKHAVDGAVKKLTKLWKENP GLVEQYFSAILSLEPSQNYAAMLGLL VQFCTNHKEMDAVSQHKSTLLEFY VKNILMSKAKPPKYLLDNCAPLLRF MSHSEFKDLILPTIQKSLLRSPENVI ETISSLLASVTLDLSQYALDIVKGLAN QLKSNSPRLMDEAVLALRNLARQCS DSSATEALTKHLFAILGGSEGKLTIIA QKMSVLSGIGSLSHHVVSQPSGQVL NGCVAELFIPFLQEQEVHEGTLVHAV SILALWCNRFTTEVPKCLTDWFKKV FSLKTSTSAVRHAYLQCMLASFRGD TLLQALDFLPLLMQTVKAASQGTQ VPTVTEGVAAALLSKLSVADAQAEA KLSGFWQLVDEKRQFTTSEKFLLL ASEDALCTVLRRLTERFLDHPHRLT NSKVQQYRVLVAVLLSRTWHVRRQ AQQTVRKLSSLGGVKLGLLDEL KTVLNCHKVPLEALVTDAGEVTEM GKTYVPPRVLQEAALCVISGVPGLKGD IPSTEQLAQEMLIISHHPSLVAVQSG LWPALLTRMKIDPDAFITRHLQIIP RITTQSPLNQSSMNAMGSLSVLSPD RVLPQLISTITASVQNPALCLVTREEF SIMQTPAGELFDKSIIQSAQQDSIKK ANMKRENKAYSFKEQIEMELKEEI KKKKGIKEEVQLTSKQKEMLQAM DKEAQIRRRRLQELDGELEAALGLLD AIMARNPCGLIQYIPVLVDAFLPLLK SPLAAPRVKGPFLSLAACVMPPLKKT LGTLVSHVTLRLLKPECALDKSWCQ EELPVAVRRAVSLHHTHTIPSRVGKG EPDAAPLSAPAFSLVFPMLKMLVTE MPYHSEEEEEQMAQILQILTVHAQL RASPDTPPERVDENGPELLPRVAML RLLTWVIGTQSPRLQVLASDTLTALC ASSGEDGCAFAEQEEVDVLLAALQ SPCASVRETALRGLMELRLVLPSPDT DEKSGLSLLRRLWVIKFDKEDEIRKL AERLWSTMGLDLQSDLCSSLIDDVIY HEAAVRQAGAEALSQAVARYQRQAA EVMGRLMEIYQEKLYRPPPVLDALG RVISESPPDQWEARCGALALNKLKLS

QYLDSSQVKPLFQFFVDPDALNDRNP
DVRKCMLDAALATLNAHGKENVNS
LLPVFEFLKDAPNDASYDAVRQSV
VVLMGSLAKHLDKSDPKVKPIVAKLI
AALSTPSQOVQESVASCLPPLVPAVK
EDAGGMIQRLMQQLLESDKYAERK
GAAYGLAGLVKGLGILSLKQQEMMA
ALTDAIQDKKNFRRREGALFAFEML
CTMLGKLFEPYVVHVLPHLLLCFGD
GNQYVREAADDCAKAVMSNLSAHG
VKLVLPSELLAALEEEWRWKAGSVEL
LGAMAYCAPKQLSSCLPNIVPKLTEV
LTDSHVQVQKAGQQALRQIGSVIRN
PEILAIAPVLLDALTDPSRKTQKCLQT
LLDTKFVHFIDAPSLALIMPVQRAF
QDRSTDTRKMAAQIIGNMYSLTDQK
DLAPYLPVTPGLKASLLDPVPEVRT
VSAKALGAMVKGMGESCFEDLLPW
LMETLTYEQSSVDRSGAAQGLAEVM
AGLGVEKLEKLMPEIVATASKVDIAP
HVRDGYIMMFNYLPITFGDKFTPYV
GPIIPCILKALADENEFVRDTALRAG
QRVISMAYAETAIALLLPQLEQGLFDD
LWRIRFSSVQLLGDLLFHISGVTGK
MTTETASEDDNFGTAQSNKAITALG
VDRNRVLAGLYMGRSDTQLVVRQ
ASLHVWKIVVSNTPRTLREILPTLFG
LLLGFLASTCADKRTIAARTLGDLVR
KLGEKILPEIPILEEGLRSQKSDERQ
GVCIGLSEIMKSTSRDAVLFFSES
PTARKALCDPLEEVREAAAKTFEQL
HSTIGHQALEDILPFLKQLDDEEVS
EFALDGLKQVMAVKSrvVLPYLVPK
LTPPVNTRVLAFLSSVAGDALTRHL
GVILPAVMLALKEKLGTPDEQLEMA
NCQAVILSVEDDTGHRHIEDLLEATR
SPEVGMRQAAAILNMYCSRKADY
SSHLRSLVGLIRLFNDSSPVVLEES
WDALNAITKKLDAGNQLALIEELHK
EIRFIGNECKGEHVPGFCLPKRGVTS
ILPVLREGVLTGSPEQKEEAAKGLGL
VIRLTSADALRPSVVSITGPLIRILGD
RFNWTVKAALLETLSLLLKGVGIALK
PFLPQLQTTFTKALQDSNRGVRLKA
ADALGKLISIVKVDPLFTELLNGIR
AVEDPGIRDTMLQALRFVIQGAGSK
VDAAIRKNLVSLLSMLGHDEDNTR
ISTAGCLGELCAFLTDEELNTVLQQC
LLADVSGIDWMVRHGRSLALSVAVN
VAPSRLCAGRYSNEVQDMILSNAVA
DRIPAMSGIRGMGFLMKYHIETGSG
QLPPRLSSLLIKCLQNPCSDIRLVAE

