

Product Information

MemDX™ Membrane Protein Human UNC80 (Unc-80 homolog, NALCN channel complex subunit) Full Length

Cat. No.: **MPC1039K**

This product is for research use only and is not intended for diagnostic use.

This product is a 363.3 kDa Human UNC80 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

UNC80

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

363.3 kDa

TMD

4

Sequence

MVKRKSSEGQEQDGGRIPLPIQTFLWRQTS AFLRPKLGKQYEASCVSFE
RVLVENKLHGLSPALSEAIQSISRWELVQAALPHVLHCTATLLSNRNKLG
HQDKLGVAETKLLHTLHWMLLEAPQDCNNERFGGTDRGSSWGGSSSAFIH
QVENQGGSPGQPCQSSSNDEEENRRKIFQNSMATVELFVFLFAPLVHRIK
ESDLTFRLASGLVIWQPMWEHRQPGVSGFTALVKPIRNIITAKRSSPINS
QSRTCESPNQDARHLEGLQVVCETFQSDSISPKATISGCHRGNSFDGSL
SQTSGERGSPSHSRASLVIPPCQRSRYATYFDVAVLRCLLQPHWSEEGTQW
SLMYYLQRLRHMLEEKPEKPPEPDIPLLPRPRSSSMVAAAPSLVNTHKTQ
DLTMKCNEEEEKSLSSEAFSKVSLTNLRRSAVPDLSSDLGMNIFKKFKSRK
EDRRKGSIPFHHTGKRRPRRMGVFPFLHEDHLDVSPTRSTFSFGSFSGL
GEDRRGIEKGGWQTTLGKLTRRGSSDAATEMESLSARHSHSHHTLVSDL
PDPSNSHGENTVKEVRSQISTITVATFNTTLASFNVGYADFFNEHMRKLC
NQVPIPEMPHEPLACANLPRSLTDSCINYSYLEDTEHIDGTNNFVHKNGM
LDLSVVLKAVYLVLNHDISSRICDVALNIVECLLQLGVVPCVEKNRKKSE
NKENETLEKRPSEGAFFQKGVSGSSTCGFGGPAVSGAGDGGGEEGGGGDG
GGGGGDDGGGGGGGGGGGPPYEKNDKNQEKDESTPVSNNHRLALTMLIKIVKSL
GCAYGCGEGHRGLSGDRLRHQVFRENAQNCLTKLYKLDKMQRQTMRDYV
NKDSLNNVVDLHALLGFCMEPVTDNKAGFGNNFTTVDNKSTAQNVEGII
VSAMFKSLITRCASTTHELHSPENLGLYCDIRQLVQFIKEAHGNVFRRA

LSALLDSAEKLAPGKKVEENEQESKPAGSKRSEAGSIVDKGQVSSAPEEC
RSFMSGRRPSQTPEHDEQMQGANLGRKDFWRKMFKSQSAASDTSSQSEQDT
SECTTAHSGTTSRRRARSRRISLRKKLKLPIGKRNLWLKRSSLGLADG
VEDLLDISSVDRLSFIRQSSKVKFTSAVKLSEGGPGSGMENGDRDEEENFF
KRLGCHSFDDHLSPNQDGGKSKNVVNLGAIRQGMKRFQFLNCCPEGTIP
DASILAAALDLEAPVVARAALFLECARFVHRCNRGNWPEWMKGHHVNITK
KGLSRGRSPIVGNKRNQKLQWNAAKLFYQWGDAIGVRLNELCHGESESPA
NLLGLIYDEETKRRLRKEDEEEDFLDDSTVNPSKCGCPFALKMAACQLLL
EITTFLETFSCLP RPRTPEPLVDLESCRLRLDPELDRHRYERKISFAGVL
DENEDSKDSLHSSSHTLKSDAGVEEKKEGSPWSASEPSIEPEGMSNAGAE
ENYHRNMSWLHVLMILLCNQSQSFICHTVDYCHPHCYLHHSRSCARLVRAIK
LLYGDSVDSLRESSNISSVALRGKKQKECSDKSCLRTPSLKKRVSDANLE
GKKD SGMLKYIRLQVMSLSPAPLSLLIKAAPILTEEMYGDIQPAAWELL
SMDEHMAGAAAAMFLLCAVKVPEAVSDMLMSEFHHPETVQRLNAVLKFHT
LWRFRYQVWPRMEEGAQQIFKIPPPSINFTLPSPVLGMPSPVPMFDPWVP
QCSG SVQDPINEDQSKSFSARAVSRSHQRAEHILKNLQEEEEKKRLGRE
SLITAIPITQEACYEPTCTPNSEPEEEVEEVTNLASRRLSVSPSCTSSTS
HRNYSFRRGSVWSVRSAVSAEDEEHTTEHTPNHHVPQPPQAVFPACICAA
VLPVHLMEDGEVREDGVAVSAVAQVVLWNCLIEDPSTVLRHFLEKLTIS
NRQDELMYMLRKLNLNIGDFPAQTSHILFNLYLVGLIMYFVRTPCWGM
DAISATLTLWEVVGYYVEGLFFKDLKQTMKKEQCEVKLLVTASMPGKTLV
HGQNECDIPTQLPVHEDTQFEALLKECLEFFNIPESQSTHYFLMDKRWN
L IHNKTYVRDIYPFRRSVSPQLNLVHMHPEKGQELIQKVFTRKLEEVGR
VLFILSLTQKIPTAHKQSHVSMQLQEDLLRLPSFPRSAIDAEFSLFSDPQA
GKELFGLDTLQKSLWIQLLEEMFLGMPSEFPWGDEIMLFLNVFNALILH
PEDSALLRQYAATVINTAVHFNHLFSLSGYQWILPTMLQVYSDYESNPQL
RQAIEFACHQFYILHRKPFVLQLFASVAPLLEFPDAANNGPSKGVSAQCL
FDLLQSLEGETTDILDILELVKAEKPLKSLDFCYGNEDLTFSISEAIKLC
VTVVAYAPESFRSLQMLMVLEALVPCYLQKLKRQTSQVETVPAAREEIAA
TAALATSLQALLYSVEVLT RPMTAPQMSRCDQGHKGT TANHTMSSGVNT
RYQEQQAKLHFIRENLHLLEEGQGIPREELDERIAREEFRRPRESLLNIC
TEFYKHCGPRLKILQNLAGEPRVIALELLDVKSHMRLAEIAHSLLKLAPY
DTQTMESRGLRRYIMEMLPITDWTAEAVRPALILILKRLDRMFNKIHKMP
TLRRQVEWEPASNLIEGVCLTLQRQPIISFLPHLRSLINVCVNLVMGVVG
PSSVADGLPLLHLSPLYLSPPLPFSTAVVRLVALQIQALKEDFPLSHVISP
FTNQRERREGMLNLLIPFVLTVGSGSKDSPWLEQPEVQLLLQTVINVLLP
PRIISTSRSKNFMLESSPAHCSTPGDAGKDLRREGLAESTSQAAYLALKV
ILVCFERQLGSQWYWSLQVKEMALRKVGGGLALWDFLDFIVRTRIPFVL
LRPFIQCKLLAQPAENHEELSARQHIADQLERRFIPRPLCKSSLIAEFNS
ELKILKEAVHSGSAYQGKTSISTVGTST SAYRLSLATMSRSNTGTGTVWE
QDSEPSQQASQDTLSRTDEEDEENDSISMPVSVSEQEAYLLSAIGRRRFS
SHVSSMSVPQAEVGMLPSQSEPNVLDDSQGLAAEGSLSRVASIQSEPGQQ
NLLVQQPLGRKRLRQLRRP LLSRQKTQTEPRNRQGARLSTTRRSIQPKT
KPSADQKRSVTFIEAQPEPAAAPT DALPATGQLQGCSPAPSRKPEAMDEP
VLTSSPAIVVADLHSVSPKQSENFPTEEKEEEDTEAQGATAHSPLSAQL
SDPDDFTGLETSSLLQHGD TVLHISEENG MENPLLSSQFTFTPTELGKTD
AVLDESHV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

UNC80

Full Name

Unc-80 homolog, NALCN channel complex subunit

Introduction

The protein encoded by this gene is a component of a voltage-independent 'leak' ion-channel complex, in which it performs essential functions, such as serving as a bridge between two other components (sodium leak channel non-selective and UNC79) and as a scaffold for Src kinases. Leak channels play an important role in establishment and maintenance of resting membrane potentials in neurons. Mutations in this gene are associated with congenital infantile encephalopathy, intellectual disability and growth issues.

Alternative Names

UNC80; UNC-80; C2orf21; protein unc-80 homolog; unc-80 homolog, NALCN activator; KIAA1843; Unc-80 homolog, NALCN channel complex subunit

Gene ID

[285175](#)

UniProt ID

[Q8N2C7](#)