

Product Information

MemDX™ Membrane Protein Human KIDINS220 (Kinase D interacting substrate 220) Full

Length

Cat. No.: **MPC1406K**

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

This product is a 196.5 kDa Human KIDINS220 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

KIDINS220

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

196.5 kDa

TMD

4

Sequence

MSVLISQSVINYVEEENIPALKALLEKCKDVDERNECGQTPLMIAAEQGN
LEIVKELIKNGANCNLEDLDNWTALISASKEGHVHIVEELLKCGVNLEHR
DMGGWTALMWACYKGRDVEVLLLSHGANPSVTGLYSVYPIIWAAGRGA
DIVHLLQNGAKVNCSDKYGTTPLVWAARKGHLECVKHLLAMGADVDEG
ANSMTALIVAVKGGYTQSVKEILKRNPVNLTDKDGNTALMIASKEGHT
IVQDLLDAGTYVNIIPDRSGDTVLIGAVRGGHVEIVRALLQKYADIDIRGQ
DNKTALYWAVEKGNATMVRDILQCNPDTEICTKDGETPLIKATKMRNIEV
VELLLDKGAKVSAVDKKGDTPHIAIRGRSRKLAELLRNPKDGRLLYRP
NKAGETPYNIDCSHQKSILTQIFGARHLSPTETDGDMLGYDLYSSALADI
LSEPTMQPPICVGLYAQWGSQKSFLLKKLEDEMKTAFAGQQIEPLFQFSWL
IVFLTLLCGGLGLLFAFTVHPNLGIAVSLFLALLYIFFIVYFGGRE
GESWNWAWVLSTRLARHIGYLELLLKLMFVNPPPELPEQTTKALPVRFLFT
DYNRLSSVGGETSLAEMIATLSDACEREFGLATRLFRVFKTEDTQGKKK
WKKTCCLPFSFVIFLIIGCIISGITLLAIFRVDPKHLTVNAVLISIASVV
GLAFVLNCRWWQVLDSSLNSQRKRLHNAASKLHKLKSEGFMKVLKCEVE
LMARMAKTIDSFTQNQTRLVVIDGLDACEQDKVLQMLDTRVFLFSKGP
IAIFASDPHIIKAINQNLNSVLRDSNINGHDYMRNIVHLPVFLNSRGLS
NARKFLVTSATNGDVPCSDTTGIQEDARRVSQNSLGEMTKLGSKTALNR
RDTYRRRQMQRITRQMSFDLTCLLVTEDWFSQPMRRLNIVSVTG

RLLRANQISFNWDRLASWINLTEQWPYRTSWLILYLEETEGIPDQMTLKT
IYERISKNIPTTKDVEPLLEIDGDIRNFEVFLSSRTPVLVARDVKVFLPC
TVNLDPKLREIIADVRAAREQISIGGLAYPPLPLHEGPPRAPSGYSQPPS
VCSSTSFNPGFAGGVVSPQPHSSYYSGMTGPQHFPYNRPFAPYLYTPRY
YPGGSQHLISRPSVKTSLPRDQNNGLEVIKEDAAEGLSSPTDSSRGSGPA
PGPVLLNSLNVDAVCEKLKQIEGLDQSMPLQYCTTIKKANINGRVLAQC
NIDELKKEMNMNFGDWHLFRSTVLEMNRNAESHVVPEDPRFLSESSSGPAP
HGEPARRASHNELPHTELSSQTPYTLNFSFEELNTLGLDEGAPRHSNLSW
QSQTRRTPSLSSLNSQDSSIEISKLTDKVQAEYRDAYREYIAQMSQLEGG
PGSTISGRSSPHSTYYMGQSSSGGSIHSNLEQEKGKDSEPKPDDGRKSF
LMKRGDVIDYSSSGVSTNDASPLDPITEEDEKSDQSGSKLLPGKKSSERS
SLFQTDLKLKGSGLRYQKLPSDEDESGTEESDNTPLLKDDKDRKAEGKVE
RVPKSPEHSAEPIRTFIKAKEYLSDALLDKKDSSDSGVRSESSPNHSLH
NEVADDSQLEKANLIELEDDSHSGKRGIPHSLSGLQDPPIIARMSICSEDK
KSPSECSLIASSPEENWPACQKAYNLNRTPTVTLNNSAPANRANQNFD
EMEGIRETSQVILRPSSSPNPTTIQENENLKSMTHKRSQRSSYTRLKDP
ELHAAASSESTGFGEERESIL

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

KIDINS220

Full Name

Kinase D interacting substrate 220

Introduction

This gene encodes a transmembrane protein that is preferentially expressed in the nervous system where it controls neuronal cell survival, differentiation into axons and dendrites, and synaptic plasticity. The encoded protein interacts with membrane receptors, cytosolic signaling components, and cytoskeletal proteins, serving as a scaffold that mediates crosstalk between the neurotrophin pathway and several other intracellular signaling pathways. Aberrant expression of this gene is associated with the onset of various neuropsychiatric disorders and neurodegenerative diseases, including Alzheimer's disease. Naturally occurring mutations in this gene are associated with a syndrome characterized by spastic paraplegia, intellectual disability, nystagmus and obesity. Alternative splicing results in multiple transcript variants.

Alternative Names

KIDINS220; ARMS; SINO; kinase D-interacting substrate of 220 kDa; ankyrin repeat-rich membrane-spanning protein; kinase D-interacting substrate 220kDa; Kinase D interacting substrate 220

Gene ID

[57498](#)

UniProt ID

[Q9ULH0](#)