

Product Information

MemDX™ Membrane Protein Human ADAM22 (ADAM metallopeptidase domain 22) Full

Length

Cat. No.: **MPC4044K**

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

This product is a made-to-order Human ADAM22 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

ADAM22

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MQAAVAVSVPFLLLCVLGTCPPARCGQAGDASLMELEKRKENRFVERQSI
VPLRLIYRSGGEDES RDALDTRVRGDLGGPQLTHVDQASFQVDAFGTSF
ILDVVLNHDLLSSEYIERHIEHGGKTVEVKGGEHCYYQGHIRGNPDSFVA
LSTCHGLHGMFYDGNHTYLIEPEENDTTQEDFFHFSVYKSRLFESLDDL
PSEFQQVNITPSKFIKPRPKRSKRQLRRYPRNVEEETKYIELMIVNDHL
MFKKHRLSVVHTNTYAKSVVNMADLIYKDQLKTRIVLVAMETWATDNKFA
ISENPLITLREFMKYRRDFIKEKSDAVHLFSGSQFESSRSGAAYIGGICS
LLKGGGVNEFGKTDLMAVTLAQLAHNIGIISDKRKLASGECKCEDTWSG
CIMGDTGYLLPKKFTQCNIIEYHDFLNSGGGACLFNKPSKLLDPPECGNG
FIETGEECDGTPAECVLEGAECCKKCTLTQDSQCSDGLCCKKCKFQPMG
TVCREAVNDCDIRETCSGNSSQCAPNIHKMDGYSCDGVQGICFGRCKTR
DRQCKYIWGQKV TASDKYCYEKLNIEGTEKGNCGKDKDTWIQCNRDVL
GYLLCTNIGNIPRLGELDGEITSLVVQQGRTLNCSSGGHVKLEEDVDLGY
VEDGTPCGPQMMCLEHRCLPVASFNFSTCLSSKEGTICSGNGVCSNELKC
VCNRHWIGSDCNTYFPHNDDAKTGITLSGNGVAGTNIIGIAGTILVLA
LILGITAWGYKNYREQRQLPQGDYVKKPGDGSFYSDIPPVSTNSASSS
KKRSNGLSHSWSERIPDTKHISDICENGRPRSNSWQGNLGGNKKKIRGKR
FRPRSNTETLSPAKSPSSSTGSIASSRKYPYPMPLPDEDKKNRQSAR
LWETSI

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ADAM22

Full Name

ADAM metalloproteinase domain 22

Introduction

This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Unlike other members of the ADAM protein family, the protein encoded by this gene lacks metalloprotease activity since it has no zinc-binding motif. This gene is highly expressed in the brain and may function as an integrin ligand in the brain. In mice, it has been shown to be essential for correct myelination in the peripheral nervous system. Alternative splicing results in several transcript variants.

Alternative Names

ADAM22; MDC2; DEE61; EIEE61; ADAM 22; disintegrin and metalloproteinase domain-containing protein 22; a disintegrin and metalloproteinase domain 22; metalloproteinase-disintegrin ADAM22-3; metalloproteinase-like, disintegrin-like, and cysteine-rich protein 2; ADAM metalloproteinase domain 22

Gene ID

[53616](#)

UniProt ID

[Q9P0K1](#)