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Product Information

MemDX™ Membrane Protein Human DAG1 (Dystroglycan 1) Full Length

Cat. No.: **MPC1475K**
This product is for research use only and is not intended for diagnostic use.

This product is a 97.4 kDa Human DAG1 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
DAG1

Protein Length
Full length

Protein Class
Receptor

Molecular Weight
97.4 kDa

TMD
1

Sequence
MRMSVGLSLLLPLSGRTFLLLLSVVMAQSHWPSEPSEAVRDWENQLEASM
HSVLSDLHEAVPTVVGIPDGTAVVGRSFRVTIPTDLIASSGDIIKVSAAG
KEALPSWLHWDSQSHTLEGLPLDTDKGVHYISVSATRLGANGSHIPQTSS
VFSIEVYPEDHSELQSVRTASPDPGEVVSSACAADEPVTVLTVILDADLT
KMTPKQRIDLLHRMRSFSEVELHNMKLVPVVNNRLFDMSAFMAGPGNAKK
VVENGALLSWKLGCSLNQNSVPDIHGVEAPAREGAMSAQLGYPVVGWHIA
NKKPPLPKRVRRQIHATPTPVTAIGPPTTAIQEPPSRIVPTPTSPAIAPP
TETMAPPVRDPVPGKPTVTIRTRGAIIQTPTLGPIQPTRVSEAGTTVPGQ
IRPTMTIPGYVEPTAVATPPTTTTKKPRVSTPKPATPSTDSTTTTTRRPT
KKPRTPRPVPRVTTKVSITRLETASPPTRIRTTTSGVPRGGEPNQRPELK
NHIDRVDAWVGTYFEVKIPSDTFYDHEDTTTDKLKLTLKLREQQLVGEKS
WVQFNSNSQLMYGLPDSSHVGKHEYFMHATDKGGLSAVDAFEIHVHRRPQ
GDRAPARFKAKFVGDPALVLNDIHKKIALVKKLAFAFGDRNCSTITLQNI
TRGSIVVEWTNNTLPLEPCPKEQIAGLSRRIAEDDGKPRPAFSNALEPDF
KATSITVTGSGSCRHLQFIPVVPPRRVPSEAPPTEVPDRDPEKSSEDDVY
LHTVIPAVVVAAILLIAGIIAMICYRKKRKGKLTLEDQATFIKKGVPIIF
ADELDDSKPPPSSSMPLILQEEKAPLPPPEYPNQSVPETTPLNQDTMGEY
TPLRDEDPNAPPYQPPPPFTAPMEGKGSRPKNMTPYRSPPPYVPP

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

DAG1

Full Name

Dystroglycan 1

Introduction

This gene encodes dystroglycan, a central component of dystrophin-glycoprotein complex that links the extracellular matrix and the cytoskeleton in the skeletal muscle. The encoded preproprotein undergoes O- and N-glycosylation, and proteolytic processing to generate alpha and beta subunits. Certain mutations in this gene are known to cause distinct forms of muscular dystrophy. Alternative splicing results in multiple transcript variants, all encoding the same protein.

Alternative Names

DAG1; A3a; DAG; AGRNR; 156DAG; MDDGA9; MDDGC7; MDDGC9; LGMDR16; dystroglycan; dystroglycan 1 (dystrophin-associated glycoprotein 1); Dystroglycan 1

Gene ID

1605

UniProt ID

Q14118