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Product Information

MemDX™ Membrane Protein Human CD53 (CD53 molecule) Full Length

Cat. No.: **MPC1761K**
This product is for research use only and is not intended for diagnostic use.

This product is a 24.3 kDa Human CD53 membrane protein expressed in Komagataella pastoris. 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
CD53

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
24.3 kDa

TMD
4

Sequence
MGMSSLKLLKYVLFFFNLLFWICGCCILGFGIYLLIHNNFGVLFHNLPSL
TLGNVFVIVGSIIMVVAFLGCMGSIKENKCLLMSFFILLLIILLAEVTLA
ILLFVYEQKLNEYVAKGLTDSIHRYHSDNSTKAAWDSIQSFLQCCGINGT
SDWTSGPPASCPSDRKVEGCYAKARLWFHSNFLYIGIITICVCVIEVLGM
SFALTLNCQIDKTSQTIGL

Product Description

Expression Systems
Komagataella pastoris

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD53

Full Name

CD53 molecule

Introduction

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants.

Alternative Names

CD53; MOX44; TSPAN25; leukocyte surface antigen CD53; CD53 antigen; CD53 glycoprotein; CD53 tetraspan antigen; antigen MOX44 identified by monoclonal antibody MRC-OX44; cell surface antigen; cell surface glycoprotein CD53; tetraspanin-25; transmembrane glycoprotein; tspan-25; CD53 molecule

Gene ID

963

UniProt ID

P19397

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