

Product Information

MemDX™ Membrane Protein Human CD63 (CD63 molecule) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX4052K**

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

This product is a Human CD63 membrane protein expressed *in vitro* *E.coli* expression system. 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

CD63

Protein Length

Full Length of Mature Protein

Protein Class

Transport

TMD

4

Sequence

AVEGGMKCVKFLLYVLLLAFCACAVGLIAVGVGAGLVLSQTIIQGATPGSLLPVVIIAVGVFLFLVAFVVGCCGACKENYCLMITFAIFLS

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

CD63

Full Name

CD63 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. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms.

Alternative Names

CD63; MLA1; ME491; LAMP-3; OMA81H; TSPAN30; CD63 antigen; CD63 antigen (melanoma 1 antigen); granulophysin; lysosomal-associated membrane protein 3; lysosome-associated membrane glycoprotein 3; melanoma-associated antigen ME491; melanoma-associated antigen MLA1; ocular melanoma-associated antigen; tetraspanin-30; tsplan-30; CD63 molecule

Gene ID

[967](#)

UniProt ID

[P08962](#)