

Product Information

MemDX™ Membrane Protein Human COLEC12 (Collectin subfamily member 12)

Cat. No.: **MP0296J**

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

This product is a 81.3 kDa Human COLEC12 membrane protein expressed in HEK293T. 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

COLEC12

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

81.3 kDa

TMD

1

Sequence

MKDDFAEEEEVQSGFYKRGFIQEGTQCTKCKNNWALKFSIILLYILCALLTITVAILGYKVVEKMDNVTG
GMETSRQTYDDKLTAVESDLEKLGDTGKKAISTNSELSTFRSDILDLRQQLREITEKTSKNKDTLEKLQ
ASGDALVDRQSQLKETLENNNSFLITTVNKTQAYNGYVTNLQQDTSVLQGNLQNQMYSHNVVIMNLNNLN
LTQVQQQRNLITNLQRSVDDTSQAIQRKNDQNLQQVFLQAKKTDWLKEVQSLQTLAANNSALAKANN
DTLEDMNSQLNSFTGQMNENITTISQANEQNLKDLQDLHKDAENRTAIKFNLQLEERFQLFETDIVNIISNI
SYTAHHRLTTSNLNEVRTTCTDTLKHTDDLTSNNNTLANIRLDVSLSRMQQDLMRSRLDTEVANLSVI
MEEMKLVDSDKHGQLIKNFTILQGPPGPRGPRGDRGSQGPPGPTGNKGQKGEKGEPPGPPGAGERGPPIGPA
GPPGERGGKGSKGSQGPKGSRGSPGKPGPQGPQGDPGPPGPPGKEGLPGPQGPPGFQQLQGTVGEPPVPG
PRGLPGLPGVPGMPGPKGPPGPPGSGAVVPLALQNEPTPAPEDNSCPPHWKNFTDKCYYFSVEKEIFED
AKLFCEDKSSHVLVFINTREEQQWIKKQMVGRESHWIGLTDSERENEWKLDGTSPDYKNWKAGQPDNWGH
GHGPGEDCAGLIYAGQWNDFQCEDVNNFICEKDRETVLSSAL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

COLEC12

Full Name

Collectin subfamily member 12

Introduction

This gene encodes a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. This protein is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein by vascular endothelial cells.

Alternative Names

CLP1; NSR2; SCARA4; SRCL; hCL-P1; collectin placenta protein 1; collectin sub-family member 12; nurse cell scavenger receptor 2; scavenger receptor with C-type lectin

Gene ID

[81035](#)

UniProt ID

[Q5KU26](#)