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Product Information

MemDX™ Membrane Protein Human RHCE (Rh blood group CcEe antigens) Expressed in *E.coli* with 6xHis and KSI tag at the N-terminus for Antibody Discovery, Partial (379-417aa)

Cat. No.: **MPX4119K**
This product is for research use only and is not intended for diagnostic use.

This product is a 19.8 kDa Human RHCE membrane protein expressed in *E.coli*. 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
RHCE

Protein Length
Partial (379-417aa)

Protein Class
Blood group antigen

Molecular Weight
19.8 kDa

TMD
11

Sequence
TSGLLTGLLLNLKIWKAPHVAKYFDDQVFWKFPHLAVGF

Product Description

Expression Systems
E.coli

Tag
6xHis and KSI tag at the N-terminus

Protein Format
Soluble

Form

Liquid or Lyophilized powder

Purity

>85% as determined by SDS-PAGE.

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

RHCE

Full Name

Rh blood group CcEe antigens

Introduction

The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene which encodes both the RhC and RhE antigens on a single polypeptide and a second gene which encodes the RhD protein. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. A mutation in this gene results in amorph-type Rh-null disease. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms.

Alternative Names

RHCE; RH; RHC; RHE; Rh4; RHNA; RHPI; RhVI; RH30A; RHIXB; RhVIII; CD240CE; RhIVb(J); RHCe(152N); blood group Rh(CE) polypeptide; (C)ces type 1 Rhesus blood group D antigen; RHCE blood group variant Crawford antigen Rh43; Rh blood group C antigen; Rh blood group CE antigen; Rh blood group CcEe antigen; Rh blood group D antigen; Rh blood group antigen Evans; Rh blood group protein; Rh polypeptide I; RhCE blood group antigens; Rhesus blood group CE protein; Rhesus blood group CcEe antigen; Rhesus blood group E antigen; Rhesus blood group Rhce antigen; Rhesus blood group antigen CE; Rhesus system C and E polypeptides; blood group RhCE polypeptide; blood group RhCcEe antigen; blood group protein RHCE; rh polypeptide 1; rhesus C/E antigens; rhesus blood group antigen, RhC antigen; rhesus blood group little e antigen; silenced Rh blood group CcEe antigen; truncated RHCE; truncated RhCcEe antigen; truncated RhD antigen; Rh blood group CcEe antigens

Gene ID

6006

UniProt ID

P18577