

Product Information

MemDX™ Membrane Protein Human RHCE (Rh blood group CcEe antigens) Full Length

Cat. No.: **MPC1034K**

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

This product is a 45.5 kDa Human RHCE 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

RHCE

Protein Length

Full length

Protein Class

Blood group antigen

Molecular Weight

45.5 kDa

TMD

11

Sequence

MSSKYPRSVRRCLPLWALTLEAALILLFYFFTHYDASLEDQKGLVASQV
GQDLTVMAALGLGFLTSNFRHSWSSVAFNLFMLALGVQWAILLDGFLSQ
FPPGKVVITLFSIRLATMSAMSVLISAGAVLGKVNLAQLVVMVLVEVTAL
GTLRMVISNIFNTDYHMNLRHFYVFAAYFGLTVAWCPLPKPLPGTEDNDQ
RATIPSLSAMLGALFLWMFWPSVNSPLLRSPQRKNAMFNTYYALAVSVV
TAISGSSLAHPQRKISMTYVHSAVLGGVAVGTSCHLIPSPWLAMVLGLV
AGLISIGGAKCLPVCCNRVLGIHHISVMHSIFSLLGLLGEITYIVLLVLH
TVWNGNGMIGFQVLLSIGELSLAIVIALTSGLLTGLLLNLKIWKAPHVAK
YFDDQVFWKFPHLAVGF

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**

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](#)