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Product Information

NativeExtract™ Human CELSR1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX292**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CELSR1 protein in native nanodisc form. The synthetic compound we developed can solubilize the CELSR1 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
CELSR1

Protein Length
Full length

Molecular Weight
329.5kDa

Sequence
Accession # Q9NYQ6

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

CELSR1

Full Name

Cadherin EGF LAG seven-pass G-type receptor 1

Introduction

The protein encoded by this gene is a member of the flamingo subfamily, part of the cadherin superfamily. The flamingo subfamily consists of nonclassic-type cadherins; a subpopulation that does not interact with catenins. The flamingo cadherins are located at the plasma membrane and have nine cadherin domains, seven epidermal growth factor-like repeats and two laminin A G-type repeats in their ectodomain. They also have seven transmembrane domains, a characteristic unique to this subfamily. It is postulated that these proteins are receptors involved in contact-mediated communication, with cadherin domains acting as homophilic binding regions and the EGF-like domains involved in cell adhesion and receptor-ligand interactions. This particular member is a developmentally regulated, neural-specific gene which plays an unspecified role in early embryogenesis.

Alternative Names

ME2; FMI2; CDHF9; HFMI2; ADGRC1; cadherin EGF LAG seven-pass G-type receptor 1; adhesion G protein-coupled receptor C1; cadherin family member 9; cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila); flamingo homolog 2; protocadherin flamingo 2; CELSR1; Cadherin EGF LAG seven-pass G-type receptor 1

Gene ID

9620

UniProt ID

Q9NYQ6

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