

Recombinant Human CELSR1 Protein, His-tagged

Cat. No. CELSR1-739H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CELSR1 Protein (Pro246-Phe459) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro246-Phe459
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28 kDa; Accurate Molecular Mass: 33 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CELSR1 cadherin EGF LAG seven-pass G-type receptor 1 [Homo sapiens (human)]
Official Symbol	CELSR1
Synonyms	CELSR1; cadherin EGF LAG seven-pass G-type receptor 1; ME2; FMI2; CDHF9; HFMI2; ADGRC1; LMPHM9; 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
Gene ID	9620
mRNA Refseq	NM_014246

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Protein Refseq	NP_055061
MIM	604523
UniProt ID	Q9NYQ6

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