Recombinant Human CELSR2 Protein, His-tagged

Cat. No. CELSR2-472H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CELSR2(Leu544~Ser796) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu544~Ser796
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. The specific function of this particular member has not been determined.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	30.8kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
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.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CELSR2 cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila) [Homo sapiens]
Official Symbol	CELSR2
Synonyms	CELSR2; cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila); cadherin, EGF LAG seven pass G type receptor 2, flamingo (Drosophila) homolog , EGFL2; cadherin EGF LAG seven-pass G-type receptor 2; CDHF10; Flamingo1; KIAA0279; MEGF3; EGF-like protein 2; flamingo homolog 3; cadherin family member 10; EGF-like-domain, multiple 2; epidermal growth factor-like 2; multiple EGF-like domains protein 3; epidermal growth factor-like protein 2; multiple epidermal growth factor-like domains 3; multiple epidermal growth factor-like domains protein 3; EGFL2; FLJ34118; FLJ42737; FLJ45143; FLJ45845;

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Gene ID	1952
mRNA Refseq	NM_001408
Protein Refseq	NP_001399
MIM	604265
UniProt ID	Q9HCU4

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