

Recombinant Mouse Celsr1 Protein, His-tagged

Cat. No. Celsr1-738M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Celsr1 Protein (Pro263-Asp469) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Pro263-Asp469
Description	Predicted to enable calcium ion binding activity. Involved in establishment of planar polarity and neural tube closure. Acts upstream of or within several processes, including Rho protein signal transduction; apical protein localization; and morphogenesis of an epithelium. Located in membrane. Is expressed in several structures, including blastocyst; central nervous system; epithelium; primitive streak; and renal cortex. Human ortholog(s) of this gene implicated in hereditary lymphedema. Orthologous to human CELSR1 (cadherin EGF LAG seven-pass G-type receptor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.3 kDa; Accurate Molecular Mass: 31 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 [Mus musculus (house mouse)]
Official Symbol	Celsr1
Synonyms	Celsr1; cadherin, EGF LAG seven-pass G-type receptor 1; Scy; Crsh; crash; Adgrc1; cadherin EGF LAG seven-pass G-type receptor 1; cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila); seven-pass transmembrane receptor
Gene ID	12614
mRNA Refseq	NM_009886
Protein Refseq	NP_034016
UniProt ID	O35161

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