

Recombinant Mouse Cdh13 protein, His & GST-tagged

Cat. No. Cdh13-1947M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdh13 aa. (Tyr478-Asn690 (Accession # Q9WTR5)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Tyr478-Asn690
Description	This gene encodes a member of the cadherin family of calcium-dependent glycoproteins that mediate cell adhesion and regulate many morphogenetic events during development. The encoded preproprotein is further processed to generate a mature protein. This gene is highly expressed in the vasculature including endothelial cells, smooth muscle cells and pericytes, where the encoded protein binds to adiponectin and has been implicated in the modulation of angiogenesis. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Cdh13 cadherin 13 [Mus musculus (house mouse)]
Official Symbol	Cdh13
Synonyms	myosin light chain 6B
Gene ID	12554
mRNA Refseq	NM_019707.5
Protein Refseq	NP_062681.2

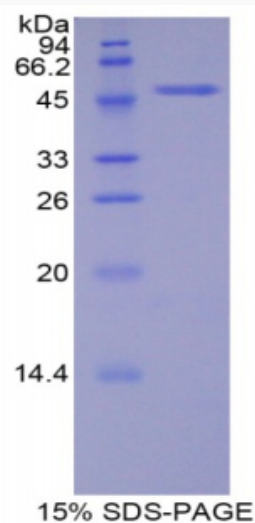
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UniProt ID

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SDS-PAGE

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