

Recombinant Mouse Cdh1 protein, His-tagged

Cat. No. Cdh1-581M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdh1 (P09803) aa. (Arg751~Asp884) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Arg751~Asp884
Description	This gene encodes E-cadherin, a calcium-dependent cell adhesion molecule that functions in the establishment and maintenance of epithelial cell morphology during embryogenesis and adulthood. The encoded preproprotein undergoes proteolytic processing to generate a mature protein. Targeted mutations disrupting binding of calcium to the encoded protein in mice cause death in utero due to failed blastocyst and trophectoderm formation. This gene is located adjacent to a related cadherin gene on chromosome 8.
Form	Freeze-dried powder
Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Characteristic	The isoelectric point is 4.3.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive Labeling
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Cdh1 cadherin 1 [Mus musculus (house mouse)]
Official Symbol	Cdh1
Synonyms	Cdh1; cadherin 1; Um; UVO; Ecad; ARC-1; E-cad; L-CAM; AA960649; E-cadherin; epithelial cadherin; uvomorulin; cadherin-1
Gene ID	12550

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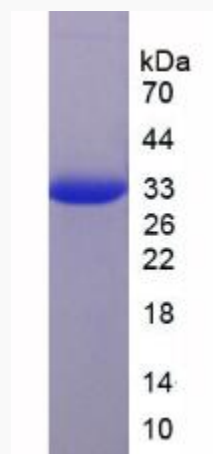
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mRNA Refseq [NM_009864.3](#)

Protein Refseq [NP_033994.1](#)

UniProt ID [P09803](#)

SDS-PAGE



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