

Recombinant Mouse E-Cadherin/CDH1/CD324 Protein

Catalog No.: RP01727

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12550	P09803

Tags

C-6His

Synonyms

Um; UVO; Ecad; ARC-1; E-cad; L-CAM; CDH1

Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
61.70 kDa	75 kDa

Endotoxin

< 0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

This protein is a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Basic Information

Description

Recombinant Mouse E-Cadherin/CDH1/CD324 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp157-Val709) of mouse E-Cadherin/Cadherin-1/CDH1 (Accession #NP_033994.1) fused with and a 6×His tag at the C-terminus.

Bio-Activity

Measured by the ability of the immobilized protein to support the adhesion of the MCF-7 human breast cancer cells. The ED₅₀ for this effect is 0.82-3.29 μg/mL.

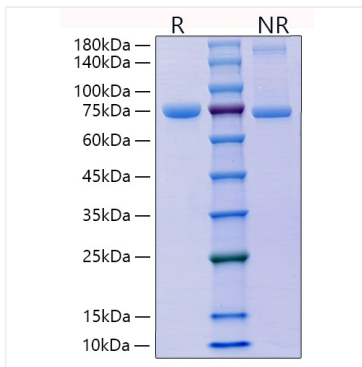
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

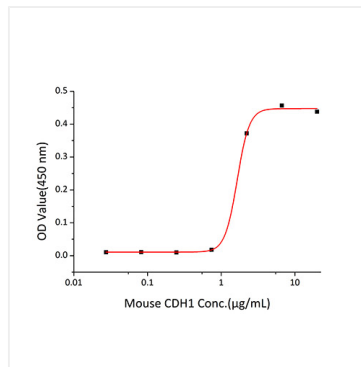
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse E-Cadherin/Cadherin-1/CDH1 Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions, showing single bands at 75 kDa and 150 kDa, respectively.



Recombinant Mouse CDH1 measured by the ability of the immobilized protein to support the adhesion of the MCF-7 human breast cancer cells. The ED₅₀ for this effect is 0.82-3.29 µg/mL.