

Active Recombinant Mouse Cdh1 Protein

Cat. No. Cdh1-1719M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdh1 protein without tag, was expressed in NSO Cells.
Species	Mouse
Source	Mammalian Cells
Description	Cadherin 1, type 1, E-cadherin (epithelial), also known as CDH1 and CD32, is a tumor suppressor gene. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. E-cadherin-mediated cell-cell adhesion pathway may represent a novel chemotherapeutic target for bladder cancer, prostate cancer, and renal-cell carcinoma.
Form	Lyophilized
Bio-activity	The biological activity of Mouse E-CAD was determined by the ability of the immobilized protein to support the adhesion of the MCF7 human breast adenocarcinoma cells. When 5×10^4 cells/well are added to rmECAD/Fc Chimera coated plates (1.5 µg/ml with 100 µl/well), approximately 50-70% will adhere after 90 minutes at room temperature. Each investigator should determine their own optimal working dilution for specific applications.
Molecular Mass	The predicted molecular weight of Recombinant Mouse ECAD is Mr 88.2 kDa (monomer). However, the actual molecular weight as observed by migration on SDS

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	Page is Mr 120 kDa.
AA Sequence	dwvippiscpenekgefpknlvqiksnrdketkvfysitgggdkppvgvfieretgwlkvtpldreaiakyilyshavs sngaeavedpmeivitvtdqndnrpeftqevfegsvaegavpgtsvmkvsatdaddvntynaaiyativsqdpelph knmftvnrdtgvvisvltsgldresyptylvvqaadlqgeglsttakavivkdindnapvfnpstyggqvpenevnariatl kvtdddapntpawkavytvvndpdqqfvvtdptndgilktakgldfeakqqyilhvrveneepfegslvpstatvtvd vvdvneapifmpaerrvevpdfigvggeitsytarepdtfmdqkityriwrtdanwleinetgaiftraemdredaeh vknstyvaliiaatddgspiatgtgtllvldvndnapipeprnmqfcqrnpqphiitldpdlppntspftaelthgasvnti eyndaaqeslilqprkdleigeykihlkladnqnkdqvtldvhvcdcegtvnncmkagivaaglviegrmdpkscdk thtccppcapellggpsvflfpkpkdltlmisrtpcvvvdvshedpevkfnwyvdgvevhnaktkpreeqynstyr vsvltvlhqdwlingkeykckvsnkalpapiektiskakgpprepqvytlppsrdeltknqvsltclvkgfypsdiavewe sngqpennyktpplvdsdgsfflyskltvdksrwqqgnvfscsvmhealhnhytqkslsispghhhhhh
Endotoxin	<1.0 EU/μg as determined by the LAL method
Purity	>90% by SDS-PAGE and analyzed by silver stain.
Notes	Products are for research use only. Not for use in diagnostic or therapeutic procedures.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20 centigrade to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 centigrade to 8 centigrade for one month or at -20 centigrade to -70 centigrade in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.
Storage Buffer	This recombinant protein was 0.2 μm filtered and lyophilized from a sterile solution containing 50mM Tris-Citrate, 50 mM NaCl and 2 mM CaCl ₂ , pH 6.5.

GENE INFORMATION

Gene Name **Cdh1**

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Official Symbol	Cdh1 cadherin 1 [Mus musculus (house mouse)]
Synonyms	Cdh1; cadherin 1; Um; UVO; Ecad; ARC-1; E-cad; L-CAM; AA960649; cadherin-1; E-cadherin; epithelial cadherin; uvomorulin
Gene ID	12550
mRNA Refseq	NM_009864
Protein Refseq	NP_033994

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