

## Recombinant Human CDH1 protein, His-tagged

Cat. No. CDH1-691H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CDH1(Gln 23 - Phe 647) fused with His tag at C-terminal was expressed in HEK293.

**Species** Human

**Source** HEK293

**ProteinLength** Gln23-Phe647

**Form** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4

**AA Sequence**

QEPEPCHPGFDAESYFTVPRRHLEGRVLRVNFEDCTGRQRTAYFSLDTRFKV  
 GTDGVITVKR PLRFHNPQIHFLVYAWDSTYRKFKSTKVTLNTVGHHRPPPHQASVS  
 GIQAELLTFPNSSPGLRRQ KRDWVIPPISCPENEKGPFPKNLVQIKSNKDKEGKVFY  
 SITGQGADTPPVGVFIERETGWLKVT EPLDRERIATYTLFSHAVSSNGNAVEDPMEI  
 LITVTDQNDNKPEFTQEVFKGSVMEGALPGTSVM EVTATDADDVNTYNAAIAYTIL  
 SQDPELPDKNMFTINRNTGVISVVTGLDRESFPAYTLVVQA ADLQGEGLSTTATAV  
 ITVTDNDNPPIFNPTTYKGQVPENEANVVITTLKVTADAPNTPAWEAV YLILNDDG  
 GQFVVTNPNVNDGILKTAKGLDFEAKQQYILHVAVTNVVPEFVSLTTSTATVTDV  
 LDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPDTFMEQKITYRIWRDTANWLEI  
 NPDTGAI STRAELDREDFEHVKNSTYALIIATDNGSPVATGTGTLILLSDVNDNAPI  
 PEPRTIFFCERNP KPQVINIIDADLPPILASQSIGITDMSHCTCPAPQLPAIFVDHHHH  
 HH\*

**Endotoxin** Less than 0.1 ng/g (1 IEU/g).

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<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Storage</b>	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.Aliquots of reconstituted samples are stable at < -20 centigrade for 4 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in 2X PBS.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature.

## GENE INFORMATION

<b>Gene Name</b>	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [ Homo sapiens ]
<b>Official Symbol</b>	CDH1
<b>Synonyms</b>	CDH1; cadherin 1, type 1, E-cadherin (epithelial); UVO; cadherin-1; CD324; E Cadherin; uvomorulin; CAM 120/80; E-Cadherin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial; CDHE; ECAD; LCAM; Arc-1;
<b>Gene ID</b>	999
<b>mRNA Refseq</b>	NM_004360
<b>Protein Refseq</b>	NP_004351

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<b>MIM</b>	192090
<b>UniProt ID</b>	P12830
<b>Chromosome Location</b>	16q22.1
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Adherens junctions interactions, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cell adhesionproteins, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem;
<b>Function</b>	GTPase activating protein binding; calcium ion binding; cell adhesion molecule binding; gamma-catenin binding; protein binding;

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