

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	QEPEPCHPGFDAESYFTVPRRHLEGRVLGRVNFEDCTGRQRTAYFSLDTRFKV GTDGVITVKR PLRFHNPQIHFLVYAWDSTYRKFKSTKVTLNTVGHHHRPPPHQASVS GIQAELLTFPNSSPGLRRQ KRDWVIPPISCPENEKGPFPKNLVQIKSNKDKEGKVFY SITGQGADTPPVGVFIERETGWLKVT EPLDRERIATYTLFSHAVSSNGNAVEDPMEI LITVTDQNDNKPEFTQEVFKGSVMEGALPGTSVM EVTATDADDDVNTYNAAIAYTIL SQDPELPDKNMFTINRNTGVISVTTGLDRESFPAYTLVVQA ADLQGEGLSTTATAV ITVTDTDNDNPPIFNPTTYKGQVPENEANVVITTLKVTADAPNTPAWEAV YTILNDDG GQFVTTNPNVNDGILKTAKGLDFEAKQQYILHVAVTNVVPFEVSLTTSTATVTVDV LDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPDTFMEQKITYRIWRDTANWLEI NPDTGAI STRAELDREDFEHVKNSTYTAIIATDNGSPVATGTGTLILLSDVNDNAPI PEPRTIFFCERNP KPQVINIIDADLPILASQSIGITDMSHCTCPAPQLPAIFVDHHHH HH*
Endotoxin	Less than 0.1 ng/g (1 IEU/g).

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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	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.
Reconstitution	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.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [Homo sapiens]
Official Symbol	CDH1
Synonyms	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;
Gene ID	999
mRNA Refseq	NM_004360
Protein Refseq	NP_004351

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MIM	192090
UniProt ID	P12830
Chromosome Location	16q22.1
Pathway	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;
Function	GTPase activating protein binding; calcium ion binding; cell adhesion molecule binding; gamma-catenin binding; protein binding;

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