



E-Cadherin (CD324) (Recombinant)

Cat. No. PT019

Lot. No. (See product label)

Product Description

Human E-Cadherin (CDH1) is an 882 amino acid protein (1-23 = signal domain) that belongs to a member of the cadherin super family. 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. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Recent publication from Ding Sheng's group indicated that coated recombinant human E-cadherin protein (extracellular domain) alone benefits human ES cell Culture.

State	Solution
Concentration	0.5 mg/mL
Purity	> 90%
Formulation	Formulated in 20 mM pH 8.0 TRIS-HCL Buffer, with proprietary formulation of NaCl, KCl, EDTA, L-Arginine, DTT and Glycerol
Sterilization Method	Filtration
Storage/Stability	-20 °C
Shelf Life	Minimum of 6 months from date of receipt
Accession Number	NP_004351.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Sequence

MDWVIPPISCPENEGPFPKNLVQIKSNKDKEGKVFYSITGQGADTPP
VGVFIIERETGWLKVTEPLDRERATYTLFSHAVSSNGNAVEDPMEILI
TVTDQNDNKPEFTQEVFKGSVMEGALPGTSVMEVTATDADDDVNTY
NAAIAYTILSQDPELPDKNMFTINRNTGVISVTTGLDRESFPTYTLVV
QAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKGQVPENEANVVI
TTLKVTADAPNTPAWEAVYILNDDGGQFVTTNPVNNDGILKTAK
GLDFEAKQQYILHVAVTNVVPFEVSLTSTATVTVDVLDVNEAPIFVPP
EKRVEVSEDFGVGQEITSYTAQEPDTFMEQKITYRIWRDTANWLEINP
DTGAISTRAELDREDFEHVKNSTYTALIIATDNGSPVATGTGTLILLSD
VNDNAPIPEPRTIFFCERNPKPQVINIIDADLPPNTSPFTAELTHGASA
NWTIQYNDPTQESIILKPKMALEVGDYKINLKLMDNQNKDQVTTLEVS
VCDCEGAAGVCRKAQPVEAGLQIP

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