

Recombinant Human Cadherin-1/E-Cadherin/CDH1 Protein

Cat.NO.: TP04741

3th Edition

Synonyms: Cadherin-1; CDH1; CAM 120/80; E-cadherin; CD324

Description: E-Cadherin is a classical member of the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed 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 cancers. 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. Identified transcript variants arise from mutation at consensus splice sites. Also, E-Cadherin has a potent invasive suppressor role and it is a ligand for integrin alpha-E/beta-7.

Form: PBS

Molecular Weight: 61.2 kDa

Sequences: Asp155-Ile707

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.