

## Product datasheet for **TP727476**

### E Cadherin (CDH1) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Cadherin-1/E-Cadherin/CDH1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp155-Ile707
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Cadherin-1/E-Cadherin/CDH1 is produced by our Mammalian expression system and the target gene encoding Asp155-Ile707 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	999
UniProt ID:	<a href="#">P12830</a>
Summary:	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.



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