

E-Cadherin-FC recombinant protein

Catalog No :	YD3025
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	CDH1
Protein Name :	Cadherin-1 (CAM 120/80) (Epithelial cadherin) (E-cadherin) (Uvomorulin) (CD antigen CD324) [Cleaved into: E-Cad/CTF1; E-Cad/CTF2; E-Cad/CTF3]
Sequence :	Amino acid:155-709,with FC tag.
Human Gene Id :	999
Human Swiss Prot No :	P12830
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Function :	<p>Cadherins are calcium-dependent cell adhesion proteins (PubMed:11976333). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells (PubMed:11976333). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.; E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production.; (Microbial infection) Serves as a receptor for Listeria monocytogenes; internalin A (InIA) binds to this protein and promotes uptake of the bacteria.</p>
Subcellular Location :	<p>Cell junction, adherens junction . Cell membrane ; Single-pass type I membrane protein. Endosome . Golgi apparatus, trans-Golgi network . Cytoplasm . Cell junction . Note=Colocalizes with DLGAP5 at sites of cell-cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma-catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the</p>

cytoplasm. Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane.

Expression :

Expressed in granuloma macrophages (at protein level) (PubMed:27760340).
Expressed in the liver (PubMed:3263290).

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