

## 32-13136: CDH1 Human, Sf9

### Alternative Name :

Cadherin 1, Type 1, E-Cadherin, Cadherin 1, Type 1, E-Cadherin (Epithelial), Epithelial Cadherin, CAM 120/80, Uvomorulin, CDHE, UVO, Calcium-Dependent Adhesion Protein, Epithelial, Cadherin 1, E-Cadherin (Epithelial), Cell-CAM 120/80, CD324 Antigen, Arc-1, CD324, ECAD, LCAM, Cadherin-1.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

E-cadherin (uvomorulin, cell-CAM120/80) is a calcium dependent cell adhesion molecule expressed predominately in epithelial tissues. It plays an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Numerous studies have demonstrated that reduction and/or loss of Ecadherin expression in carcinomas correlates positively with the potential of these tumors for invasion and metastasis.

CDH1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 694 amino acids (24-709a.a.) and having a molecular mass of 76.6kDa.Å (Molecular size on SDS-PAGE will appear at approximately 70kDa). CDH1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

#### Amount :

2 µg / 10 µg

#### Purification :

Greater than 90% as determined by SDS-PAGE.

#### Content :

CDH1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

#### Storage condition :

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

#### Amino Acid :

EPEPCHPGFD AESYFTVPR RHLERGRVLG RVNFEDCTGR QRTAYFSLDT RFKVGTDGVI TVKRPLRFHN  
PQIHFLVYAW DSTYRKFSK VTLNTVGHSH RPPHQASVS GIQAELLTFP NSSPGLRRQK RDWVIPPISC  
PENEKGFPPK NLVQIKSNKD KEGKVFYSIT GQGADTPVVG VFIIERETGW LKVTEPLDRE RIATYTLFSH  
AVSSNGNAVE DPMEILITVT DQNDNKPEFT QEVFKGSVME GALPGTSVME VTATDADDDV NTYNAAIAYT  
ILSQDPELPD KNMFTINRNT GVISVTTGL DRESFPTYTL VVQAADLQGE GLSTTATAVI TVTDTNDNPP  
IFNPPTYKGQ VPENANVVI TTLKVTDADA PNTPAWEAVY TILNDDGGQF VVTNPNVND GILKTAKGLD  
FEAKQYILH VAVTNVVPFE VSLTTSTATV TVDVLVNEA PIFVPPEKRV EVSEDFGVGQ EITSYTAQEP  
DTFMEQKITY RIWRDTANWL EINPDTGAIS TRAELEDREDF EHVKNSTYTA LIIATDNGSP VATGTGTTTT  
ILSDVNDNAP IPEPRTIFFC ERNPKPQVIN IIDADLPNT SPFTAELTHG ASANWTIQYN DPTQESIILK  
PKMALEVGDY KINLKLMDNQ NKDQVTTLEV SVCDCEGAAG VCRKAQPVEA GLQIPALEHH HHHH.