
Product Data Sheet

Product Name: CDH1 Human, HEK
 Cat. No.: GP23102
 Batch No.: 1

Product Data

Purity >98%

Source

Physical Appearance solid

Shipping Condition

Synonyms Epithelial cadherin; E-cadherin; Uvomorulin; Cadherin-1; CAM 120/80; CD324 antigen; CDH1; CDHE; UVO; ECAD; LCAM; Arc-1; CD3;

Amino Acid Sequence DWVIPPISCPENEKGFPPKLVQIKSNKDKGKVFYSITGQADTPVGVFIIERETGWLKVTEPLDRERIATYTLFSHAVSSNGNAVEDPMEILITVTDQNI

Solubility It is recommended to reconstitute the lyophilized CDH1 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further d
 FormulationThe CDH1 protein was lyophilized from a 0.2µm filtered solution in PBS, pH7.4.

Introduction

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.

Stability

Lyophilized E-Cadherin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution CDH1 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

E-Cadherin Human Recombinant produced in HEK cells is a secreted protein with the sequence of Human E-Cadherin (amino acids Asp155-Ile707) and fused to a 6xHis tag at the C-terminus.

Caution: Product has not been fully validated for medical applications. For research use only.

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