

Product Data Sheet

Product Name: CDH1 Human, Sf9

Cat. No.: GP23103

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms 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.

Amino Acid Sequence
 EPEPCHPGFD AESYTFTVPR RHLERGRVLG RVNFEDCTGR
 QRTAYFSLDTRFKVGTGVI TVKRPLRFHN PQIHFLVYAW DSTYRKFKSTK
 VTLNTVGHGH RPPPHQASVS GIQAELLTFPNSSPGLRRQK RDWVIPPISC
 PENEKGPFPK NLVQIKSNKD KEGKVFYSIT GQGADTPPVGVFIIERETGW
 LKVTEPLDRE RIATYTLFSH AVSSNGNAVE DPMEILITVTDQNDNKPEFT
 QEVFKGSVME GALPGTSVME VTATDADDDV NTYNAAIAYT ILSQDPELPD
 KNMFTINRNTGVISVTTGL DRESFPTYTL VVQAADLQGE GLSTTATAVI
 TVTDTNDNPP IFNPTTYKGQVPENEANVVI TTLKVTDADA PNTPAWEAVY
 TILNDDGGQF VTTNPVNNDGILKTAKGLD FEAQQYILH VAVTNVVPFE
 VSLTTSTATV TVDVLVDVNEA PIFVPPEKRV EVSEDFGVGQEITSYTAQEP
 DTFMEQKITY RIWRDTANWL EINPDTGAIS TRAELEDREDF
 EHVKNSTYALIIATDNGSP VATGTGTLILLSDVNDNAP IPEPRTIFFC
 ERNPKPQVIN IIDADLPPNT SPFTAELTHG ASANWTIQYN DPTQESIILK
 PKMALEVG DYKINLKLMDNQ NKDQVTTLEV SVCDCEGAAG VCRKAQPVEA
 GLQIPALEHH HHHH.

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

Introduction

E-cadherin (uvomorulin, cell-CAM120/80) is a calcium dependent cell adhesion molecule

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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

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.

Background

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. (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.

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