
Product Data Sheet

Product Name: NECTIN1 Human

Cat. No.: GP26315

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms PVRL1, CD111, CLPED1, ED4, HlgR, HVIS, HVEC, Nectin-1, OFC7, PRR, PRR1, PVRR, PVRR1, SK-12.

Amino Acid Sequence

ADPQVVQVND SMYGFITDV VLHCSFANPL PSVKITQVTW QKSTNGSKQN
 VAIYNPSMGV SVLAPYRERV EFLRPSFTDG TIRLSRLELE DEGVYICEFA
 TFPTGNRESQ LNLTVMAKPT NWIEGTQAVL RAKKGQDDKV LVATCTSANG
 KPPSVVSWET RLKGAEYQE IRNPNGTVTV ISRYRLVPSR EAHQQSLACI
 VNYHMDRFKE SLTLNVQYEP EVTIEGFDGN WYLQRMVDVCLTCKADANPPA
 TEYHWTTLNG SLPKGVEAQN RTLFFKGPIN YSLAGTYICE ATNPIGTRSG
 QVEVNITEFP YTPSPPEHGR RAGPVPTAHH HHHH

Formulation The NECTIN1 solution (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

Nectin-1, also referred to as ED4, is a poliovirus receptor-related 1 protein is a part of the Nectin family. Nectin-1 endorses cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions among PVRL1/nectin-1 & PVRL4/nectin-4 and among PVRL1/nectin-1 & PVRL3/nectin-3 have been found. Nectin-1 acts as an entry receptor for herpes simplex virus & pseudorabies virus as well. Likewise, Neurite outgrowth-promoting activity has been shown by Nectin-1.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC 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

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

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NECTIN1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 334 amino acids (31-355a.a) and having a molecular mass of 37.3kDa. NECTIN1 is fused to an 9 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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