

Recombinant Human NECTIN1 Protein, His-tagged

Cat. No. NECTIN1-387H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NECTIN1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	517
Description	This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini.
Form	Lyophilized
Molecular Mass	34.8 kDa
AA Sequence	MARMGLAGAAGRWWGLALGLTAFFLPGVHSQVVQVNDSMYGFIGTDVVLHCSFAN

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PLPSVKITQVTWQKSTNGSKQNVAIYNPSMGVSVLAPYRERVEFLRPSFTDGTIRLS
 RLELEDEGVYICEFATFPTGNRESQLNLTVMKPTNWIEGTQAVLRAKKGQDDKVLV
 ATCTSANGKPPSVVSWETRLKGEAEYQEIRNPNGTVTVISRYRLVPSREAHQQSLA
 CIVNYHMDRFKESLTLNVQYEPEVTIEGFDGNWYLQRMDEVKLTCKADANPPATEYH
 WTTLNGSLPKGVEAQNRTLFFKGPIYNISLAGTYICEATNPIGTRSGQVEVNITEFPYT
 PSPPEHGRRAGPVPTAIIGGVAGSILLVLIVVGGIVVALRRRRHTFKGDYSTKKHVVY
 NGYSKAGIPQHHPMAQNLQYPDDSDDEKKAGPLGGSSYYYYYYYYYEGGGGER
 KVGGPHPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQYDPEQLDLAENMVSQN
 DGSFISKKEWYV

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).
 After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18
 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted
 stock further in other aqueous solutions if needed. Please review COA for lot-specific
 instructions. Final measurements should be determined by the end-user for optimal
 performance.

GENE INFORMATION

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Gene Name	NECTIN1 nectin cell adhesion molecule 1 [Homo sapiens (human)]
Official Symbol	NECTIN1
Synonyms	NECTIN1; nectin cell adhesion molecule 1; ED4; PRR; HIgR; HV1S; HVEC; OFC7; PRR1; PVRR; CD111; PVRL1; PVRR1; SK-12; CLPED1; nectin-1; nectin-1; ectodermal dysplasia 4 (Margarita Island type); herpes simplex virus type 1 sensitivity; herpes virus entry mediator C; herpesvirus Ig-like receptor; nectin 1; poliovirus receptor-like 1; poliovirus receptor-related 1 (herpesvirus entry mediator C); poliovirus receptor-related protein 1
Gene ID	5818
mRNA Refseq	NM_002855
Protein Refseq	NP_002846
MIM	600644
UniProt ID	Q15223

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