

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	<p>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.</p>
Form	Lyophilized
Molecular Mass	34.8 kDa
AA Sequence	MARMGLAGAAGRWWGLALGLTAFFLPGVHSQVVQVNDMSMYGFIGTDVVLHCSFAN

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PLPSVKITQVTWQKSTNGSKQNVAIYNPSMGVSVLAPYRERVEFLRPSFTDGTIRLS
 RLELEDEGVYICEFATFPTGNRESQLNLTVMAPTNWIEGTQAVLRKKGQDDKVLV
 ATCTSANGKPPSVVSWETRLKGEAEYQEIRNPNGTVTVISRYRLVPSREAHQQSLA
 CIVNYHMDRFKESLTLNVQYEPEVTIEGFDGNWYLQRMDVKLTCKADANPPATEYH
 WTTLNGLSLPKGVEAQNRTLFFKGPINYSLAGTYICEATNPIGTRSGQVEVNITEFPYT
 PSPPEHGRRAGPVPTAIIGGVAGSILLVLIVVGGIVVALRRRRHTFKGDYSTKHHVYG
 NGYSKAGIPQHPPMAQNLQYPDDSDDEKKAGPLGGSSYYYYYYYYYEGGGGER
 KVGPPHPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQYDPEQLDLAENMVSQN
 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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