

Recombinant Human NECTIN1 protein

Cat. No. NECTIN1-223H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NECTIN1(Gln31-Thr334), transcript variant 1, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln31-Thr334
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 from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2.
Molecular Mass	35.0 kDa

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Storage	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Concentration	Resuspend the protein to the desired concentration in proper buffer.

GENE INFORMATION

Gene Name	NECTIN1 nectin cell adhesion molecule 1 [Homo sapiens]
Official Symbol	NECTIN1
Synonyms	ED4; PRR; HlgR; HV1S; HVEC; OFC7; PRR1; PVRR; CD111; PVRL1; PVRR1; SK-12; CLPED1; nectin-1
Gene ID	5818
mRNA Refseq	NM_002855
Protein Refseq	NP_002846
MIM	600644
UniProt ID	Q15223

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