Recombinant Human NECTIN2 Protein, C-His-tagged

Cat. No. NECTIN2-237H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NECTIN2 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Nectin-2, also known as CD112 and poliovirus receptor-related 2 (PVRL2), is a single-pass type I membrane glycoprotein ubiquitously expressed on various human tissues. It is a calcium independent cell adhesion molecule known to interact with several cell surface receptors, including DNAM-1 (CD226), LFA-1 (CD11a), Nectin-3 (CD113), TIGIT (VSTM3), and PVRIG (CD112R). It is one of the major constituents of adherens junctions, and therefore plays a central role in a number of cellular processes, including adhesion, migration, and proliferation. Within the immune system, Nectin-2 modulates immune cell signaling. Upon interaction with DNAM-1 expressed on T and NK cells, Nectin-2 stimulates proliferation and cytokine production. Upon interaction with PVRIG, Nectin-2 inhibits proliferation. Thus, Nectin-2 can be either a co-stimulator or a co-inhibitor of immune cell function depending on competitive receptor interactions. Nectin-2 also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Molecular Mass	~36 kDa

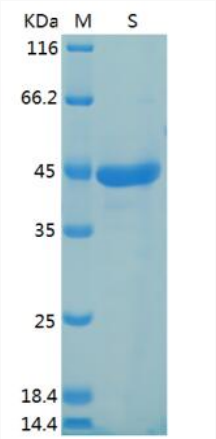
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AA Sequence	QDVRVQVLPEVRGQLGGTVELPCHLLPPVPGLYISLVTWQRPDAPANHQNVAAFHP KMGPSFPSPKPGSERLSFVSAKQSTGQDTEAELQDATLALHGLTVEDEGNYTCEFA TFPKGSVRGMTWLRVIAKPKNQAEAQKVTFSQDPTTVALCISKEGRPPARISWLSSL DWEAKETQVSGTLAGTVTVTSRFTLVPSGRADGVTVTCKVEHESFEEPALIPVTLSV RYPPEVSISGYDDNWYLGRTDATLSCDVRSNPEPTGYDWSTTSGTFPTSAVAQGS QLVIHAVDSLFNTTFVCTVTNAVGMGRAEQVIFVRETPNTAGAGATGG
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	NECTIN2 nectin cell adhesion molecule 2 [Homo sapiens (human)]
Official Symbol	NECTIN2
Synonyms	NECTIN2; nectin cell adhesion molecule 2; HVEB; PRR2; CD112; PVRL2; PVRR2; nectin-2; ; herpesvirus entry protein B; poliovirus receptor-like 2; poliovirus receptor-related 2 (herpesvirus entry mediator B)
Gene ID	5819

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mRNA Refseq	NM_002856
Protein Refseq	NP_002847
MIM	600798
UniProt ID	Q92692
SDS-PAGE	 SDS-PAGE Result

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