

## Recombinant Human NECTIN2 Protein, Fc-tagged

**Cat. No.** NECTIN2-389H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human NECTIN2 protein with Fc tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 538                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It 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. Variations in this gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 62.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MARAAALLPSRSPPTPLLWPLLLLLLLETGAQDVRVQVLPEVRGQLGGTVELPCHLL<br>PPVPGLYISLVTWQRPDAPANHQNVAAAFHPKMGPSFPSPKPGSERLSFVSAKQSTG<br>QDTEAELQDATLALHGLTVEDEGNYTCEFATFPKGSVRGMTWLRVIAKPKNQAEAQ<br>KVTFSDPPTTVALCISKEGRPPARISWLSSLDWEAKETQVSGTLAGTVTVTSRFTLV<br>PSGRADGVTVTCKVEHESFEERALIPVTLVSRYPPEVSISGYDDNWYLGRTDATLSC                                                                                                                                                                                                                                                                        |

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DVRSNPEPTGYDWSTTSGTFPTSAVAQGSQQLVIHAVDSLNTTFVCTVTNAVGMGR  
AEQVIFVRETPNTAGAGATGGIIGGIIAAIIATAVAATGILICRQQRKEQTLQGAEDEED  
LEGPPSYKPPTPKAKLEAQEMPSQLFTLGASEHSPLKTPYFDAGASCTEQEMPRYH  
ELPTLEERSGPLHPGATSLGSPIPVPPGPPAVEDVSLDLEDEEGEEEEEEYLDKINPIY  
DALSYSSPSDSYQGKGFVMSRAMYV

|                       |                                                                                                                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 98%                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>   | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                                      |
| <b>Stability</b>      | 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.                                                                                   |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                                   |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H <sub>2</sub> O 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

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| <b>Gene Name</b>       | NECTIN2 nectin cell adhesion molecule 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | NECTIN2                                                          |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | 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) |
| <b>Gene ID</b>        | 5819                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>    | NM_002856                                                                                                                                                                                                  |
| <b>Protein Refseq</b> | NP_002847                                                                                                                                                                                                  |
| <b>MIM</b>            | 600798                                                                                                                                                                                                     |
| <b>UniProt ID</b>     | Q92692                                                                                                                                                                                                     |

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