

Recombinant Human NECTIN3 Protein, C-His-tagged

Cat. No. NECTIN3-239H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NECTIN3 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Nectin is a Ca²⁺-independent homophilic cell adhesion molecule that belongs to the immunoglobulin superfamily. Human Nectin is identical to the poliovirus receptor-related protein (PRR) and is identified to be the alphaherpesvirus entry mediator. Nectin constitutes a family consisting of at least Nectin 1, 2 and 3. Nectin 2 and 3 are ubiquitously expressed, whereas Nectin 1 is abundantly expressed in brain. Nectin 3, also designated as PRR3, has three splicing variants: Nectin 3α, 3β and 3γ. Nectin 3 is a transmembrane protein whose extracellular region contains three Ig-like domains. Nectin 3α and 3β, but not Nectin 3γ, have a C-terminal conserved motif (E/A-X-Y-V). This motif interacts with the PDZ domain of the F-Actin-binding protein, afadin, through which it is linked to the Actin cytoskeleton. Nectin 3α co-localizes with Nectin 2 at cadherin-based adheren junctions and interacts with afadin.
Molecular Mass	~38 kDa
AA Sequence	GPIIVEPHVTAVWGKNVSLKCLIEVNETITQISWEKIHGKSSQTVAVHHPQYGFSVQG EYQGRVLFKNYSLNDAITLHNIGFSDSGKYICKAVTFPLGNAQSSTTVTLVEPTVS LIKGPDSLIDGGNETVAAICIAATGKPVAHIDWEGDLGEMESTTTSFPNETATIISQYK LFPTRFARGRRITCVVKHPALEKDIRYSFILDIQYAPEVSVTGYDGNWVFGVRKGVNK

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	CNADANPPPFKSVWSRLDGQWPDGLLASDNTLHFVHPLTFNYSGVYICKVTNSLGQ RSDQKVIYISDPPTTTTLQPTIQWHPSTADIEDLATEPKKLPFPLSTLATIKDDTIAT
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	NECTIN3 nectin cell adhesion molecule 3 [Homo sapiens (human)]
Official Symbol	NECTIN3
Synonyms	NECTIN3; nectin cell adhesion molecule 3; PPR3; PRR3; CD113; PVRL3; PVRR3; CDW113; NECTIN-3; nectin-3; nectin 3; poliovirus receptor-related 3; poliovirus receptor-related protein 3
Gene ID	25945
mRNA Refseq	NM_015480
Protein Refseq	NP_056295

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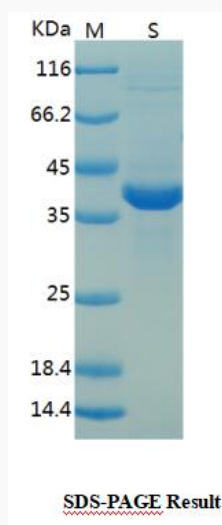
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MIM 607147

UniProt ID Q9NQS3

SDS-PAGE



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