Product Name: Recombinant Human Nectin-3 (C-6His)
Catalog #: PHH0284

Summary

Name	CD113/Nectin-3/PVRL3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Poliovirus Receptor-Related Protein 3 is produced by our Mammalian expression system and the target gene encoding Gly58-Cys366 is expressed with a 6His tag at the C-terminus.
Accession #	Q9NQS3
Host	Human Cells
Species	Human
Predicted Molecular Mass	34.96 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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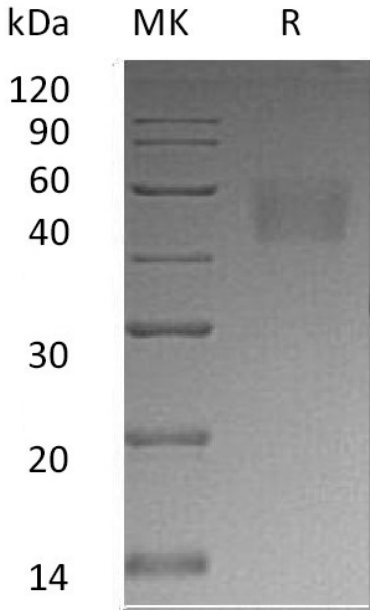

Alternative Names

Poliovirus Receptor-Related Protein 3; CDw113; Nectin-3; CD113; PVRL3; PRR3

Background

Nectin-3 is a type I transmembrane glycoprotein that belongs to the nectin family. Its precursor is 549 amino acids in length and contains an extended signal sequence of 57 amino acids, an extracellular domain (ECD) of 347 amino acids, a transmembrane segment of 21 amino acids, and a cytoplasmic region of 124 amino acids. It is predominantly expressed in testis and placenta as well as in various cell lines, including epithelial cell lines. Nectin-3 plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/Nectin-2 at Sertoli-spermatid junctions. Nectin-3 is also involved in the formation of cell-cell junctions, including adherens junctions and synapses.

Note

For Research Use Only , Not for Diagnostic Use.