

Datasheet for ABIN5526673

PVRL2 Protein (AA 32-360) (Fc Tag,AVI tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	PVRL2
Protein Characteristics:	AA 32-360
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PVRL2 protein is labelled with Fc Tag,AVI tag,Biotin.

Product Details

Brand:	PrecisionAvi
Sequence:	AA 32-360
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag (Avitag™). The protein has a calculated MW of 64.0 kDa. As a result of glycosylation, the protein migrates as 66 kDa under reducing (R) condition, and 130 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	PVRL2
Alternative Name:	Nectin-2 (PVRL2 Products)
Background:	Poliovirus receptor-related 2 (PVRL2) is also known as nectin-2 and CD112 (formerly herpesvirus entry mediator B, HVEB), which is a human plasma membrane glycoprotein. PVRL2 is one of the plasma membrane components of adherens junctions. PVRL2 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 PVRL2 gene have been associated with differences in the severity of multiple sclerosis. Also, PVRL2 binds with low affinity to TIGIT. Furthermore, PVRL2 acts as a receptor for herpes simplex virus 1 (HHV-1) mutant Rid1, herpes simplex virus 1 (HHV-2) and pseudorabies virus (PRV).
Molecular Weight:	64.0 kDa
NCBI Accession:	NP_002847
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization

Application Details

Comment:	<p>Ready-to-use Avitag™ biotinylated protein:</p> <p>The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.</p> <p>This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5

Handling

Handling Advice:

Please avoid repeated freeze-thaw cycles.

Storage:

-20 °C

Images

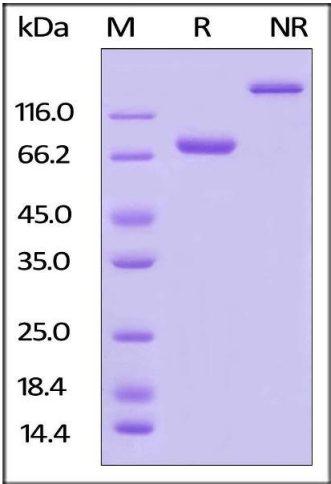


Image 1.

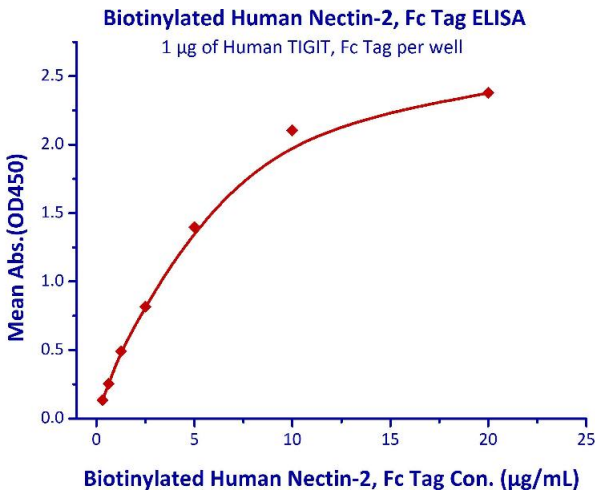


Image 2.

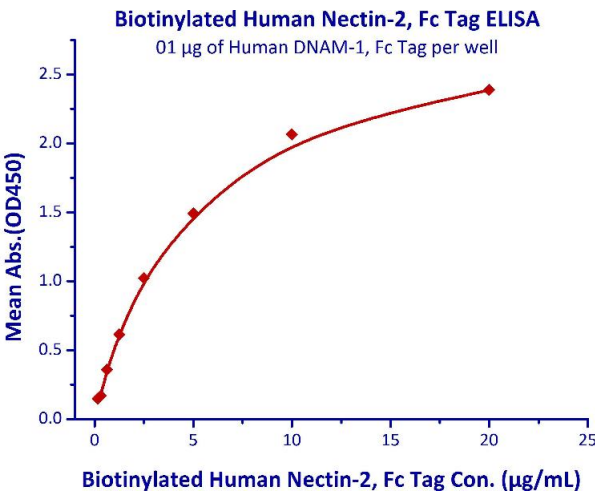


Image 3.