

# Active Recombinant Human PVRL2 protein, His-tagged

**Cat. No.** PVRL2-609H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PVRL2 protein(Gln 32 - Leu 360), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Gln 32 - Leu 360                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Bio-activity</b>     | Immobilized Human PVRL2, Mouse IgG2a Fc Tag, low endotoxin at 2 µg/mL (100 µL/well) can bind Human Nectin-2, His Tag with a linear range of 0.078-0.625 µg/mL. Immobilized Human TIGIT, Fc Tag at 10 µg/mL (100 µL/well) can bind Human Nectin-2, His Tag with a linear range of 0.625-5 µg/mL. Immobilized Human PVRL2, Fc Tag (at 5 µg/mL (100 µL/well) can bind Human Nectin-2, His Tag with a linear range of 0.039-0.625 µg/mL. |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 37.4 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                           |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                     |
| <b>Storage</b>        | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PVRL2 poliovirus receptor-related 2 (herpesvirus entry mediator B) [ Homo sapiens ]                                                                                                                      |
| <b>Official Symbol</b> | PVRL2                                                                                                                                                                                                    |
| <b>Synonyms</b>        | PVRL2; poliovirus receptor-related 2 (herpesvirus entry mediator B); HVEB; poliovirus receptor-related protein 2; CD112; PRR2; PVRR2; nectin-2; poliovirus receptor-like 2; herpesvirus entry protein B; |
| <b>Gene ID</b>         | 5819                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_001042724                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_001036189                                                                                                                                                                                             |
| <b>MIM</b>             | 600798                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | Q92692                                                                                                                                                                                                   |

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