

# Active Recombinant Human PVRIG protein, mFc-Avi-tagged, Biotinylated

**Cat. No.** PVRIG-0604H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human PVRIG protein(Thr41-Asp171), fused with mFc and Avi tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 41-171 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Bio-activity</b>     | <p>Immobilized Human Nectin-2, His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human PVRIG, Mouse IgG2a Fc,Avitag with a linear range of 0.02-0.313 µg/mL.</p> <p>Immobilized Human Nectin-2, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human PVRIG, Mouse IgG2a Fc,Avitag with a linear range of 19.5-156 ng/mL.</p> <p>Immobilized Biotinylated Human PVRIG, Mouse IgG2a Fc,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human Nectin-2, Fc Tag with a linear range of 0.6-2 ng/mL.</p> |
| <b>Molecular Mass</b>   | This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 42.4 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                                                                                                              |

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|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Proteinlength</b>  | Thr41-Asp171                                                                                                                                                                  |
| <b>Endotoxin</b>      | Less than 1.0 EU per µg by the LAL method.                                                                                                                                    |
| <b>Purity</b>         | >95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.                                                                                                                |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                |
| <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. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PVRIG poliovirus receptor related immunoglobulin domain containing [ Homo sapiens ]                                                                                                                                        |
| <b>Official Symbol</b> | PVRIG                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | PVRIG; poliovirus receptor related immunoglobulin domain containing; transmembrane protein PVRIG; C7orf15; MGC2463; poliovirus receptor-related immunoglobulin domain-containing protein; MGC104322; MGC138295; MGC138297; |
| <b>Gene ID</b>         | 79037                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_024070                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_076975                                                                                                                                                                                                                  |

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UniProt ID

Q6DKI7

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