

Active Recombinant Human CD27 Protein, Fc & Avi-tagged, Biotinylated

Cat. No. CD27-57H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Biotinylated Recombinant Human CD27 Protein (Thr 21 - Ile 192) (NP_001233), fused with a human IgG1 Fc tag at the C-terminus, followed by a Avi tag, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Thr 21 - Ile 192 |
| Predicted N Terminal | Thr 21 |
| Form | Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose. |
| Bio-activity | Measured by its binding ability in a functional ELISA. Immobilized Human CD27 Ligand, Fc Tag at 10µg/mL (100 µL/well) can bind Biotinylated Human CD27, Fc Tag with a linear range of 4.9-156 ng/mL. |
| Molecular Mass | Recombinant Human CD27 Protein has a calculated MW of 47.7 kDa. The protein migrates as 55-70 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation. |
| Endotoxin | Less than 1.0 EU per µg by the LAL method. |

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| Purity | >95% as determined by SDS-PAGE. |
| Stability | Samples are stable for up to twelve months from date of receipt at -70°C. |
| Storage | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | 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. |
| Conjugation | Biotin |

GENE INFORMATION

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| Gene Name | CD27 CD27 molecule [Homo sapiens] |
| Official Symbol | CD27 |
| Synonyms | CD27; CD27 molecule; TNFRSF7, tumor necrosis factor receptor superfamily, member 7; CD27 antigen; S152; Tp55; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7; T14; TNFRSF7; MGC20393; |
| Gene ID | 939 |
| mRNA Refseq | NM_001242 |
| Protein Refseq | NP_001233 |
| MIM | 186711 |

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| UniProt ID | P26842 |
| Chromosome Location | 12p13 |
| Pathway | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; |
| Function | cysteine-type endopeptidase inhibitor activity involved in apoptotic process; protein binding; receptor activity; transmembrane signaling receptor activity; |

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