

## Active Recombinant Human THY1, Fc-tagged

**Cat. No.** THY1-586H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant human CD90-Fc fusion is expressed as a 348 amino acid protein consisting of Gln20 - Lys129 region of CD90 (Uniprot Accession #P04216) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 20-129 a.a.                                                                                                                                                                                                                                               |
| <b>Form</b>             | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free).                                                                                                                                                                               |
| <b>Bio-activity</b>     | Immobilized CD90-Fc protein supports the adhesion of human neutrophils with an ED50 typically between 0.5 - 2.5 µg/mL                                                                                                                                     |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 39.2; Estimated by SDS-PAGE under reducing condition (kDa): 55-60                                                                                                                                                        |
| <b>Endotoxin</b>        | <0.1 eu per 1 µg of purified recombinant protein determined by the                                                                                                                                                                                        |
| <b>Purity</b>           | >95% judged by SDS-PAGE under reducing condition                                                                                                                                                                                                          |
| <b>Storage</b>          | The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted |

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protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | THY1 Thy-1 cell surface antigen [ Homo sapiens ]                                                                                                                                                                                                |
| <b>Official Symbol</b>     | THY1                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | THY1; Thy-1 cell surface antigen; thy-1 membrane glycoprotein; CD90; CDw90; thy-1 antigen; Thy-1 T-cell antigen; FLJ33325;                                                                                                                      |
| <b>Gene ID</b>             | 7070                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_006288                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_006279                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 188230                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P04216                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 11q23.3                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | IL4-mediated signaling events, organism-specific biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem; amb2 Integrin signaling, organism-specific biosystem; |
| <b>Function</b>            | GPI anchor binding; Rho GTPase activator activity; enzyme binding; integrin binding;                                                                                                                                                            |

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protein binding; protein kinase binding;

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