

Active Recombinant Human THY1, Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	20-129 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free).
Bio-activity	Immobilized CD90-Fc protein supports the adhesion of human neutrophils with an ED50 typically between 0.5 - 2.5 µg/mL
Molecular Mass	Calculated molecular mass (kDa): 39.2; Estimated by SDS-PAGE under reducing condition (kDa): 55-60
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	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

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

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protein binding; protein kinase binding;

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