

Recombinant Human THY1 Protein, His-tagged

Cat. No. THY1-139H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human THY1 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The Thy1/CD90 cell surface antigen is a GPI-anchored, developmentally regulated protein involved in signaling cascades that mediate neurite outgrowth, T cell activation, tumor suppression, apoptosis, and fibrosis. Thy1/CD90 is highly expressed on the surface of adult neurons and is thought to play a role in modulating adhesive and migratory events, such as neurite extension. Decreased Thy1/CD90 mRNA and protein expression is associated with the development of epithelial ovarian cancer, suggesting a role as a putative tumor suppressor gene of human ovarian cancer. Research studies indicate that Thy1/CD90 knockout mice have impaired cutaneous immune responses and abnormal retinal development. Thy1/CD90 is epigenetically regulated or deregulated in some disease states, such as pulmonary fibrosis. The potentially reversible hypermethylation of the Thy1/CD90 promoter offers the possibility of novel therapeutic options in this disease.
Molecular Mass	~17 kDa
AA Sequence	MQKVTSLTACLVDQSLRLDCRHENTSSSPIQYEFSLTRETKKHVLFGTGVGPEHTYR SRTNFTSKYNMKVLVLSAFTSKDEGTYTALHHSFGHSPPISSQNVTVLRDKLVKC
Purity	Transferred into competent cells and the supernatant was purified by NI column

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affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

THY1 Thy-1 cell surface antigen [Homo sapiens (human)]

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

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