Recombinant human CD90/Thy1 protein

Catalog Number: ATGP3417

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
20-130aa

UniProt No.
P04216

NCBI Accession No.
NP_006279.2

Alternative Names
Thy-1 membrane glycoprotein, THY1, CD90, CDw90, CD7, CD90 antigen, CDw90, FLJ33325, MGC128895, T25, Theta antigen, Thy 1, Thy 1 cell surface antigen, Thy 1 membrane glycoprotein, Thy 1 T cell antigen, Thy 1.2, Thy-1 antigen, Thy-1 membrane glycoprotein, Thy1, Thy1 antigen, Thy1 T cell antigen, Thy1.1, Thy1.2, THY1_HUMAN, Thymus cell antigen 1, theta

PRODUCT SPECIFICATION

Molecular Weight
13.3 kDa (117aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
THY1, as known as Thy-1 membrane glycoprotein, is a cell membrane protein which contains 1lg-like V-type

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(immunoglobulin-like) domain. This protein is a member of the immunoglobulin superfamily of adhesion molecules with constitutive expression on fibroblast cells. It can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Also, this protein led to some of the initial biochemical description and characterization of a vertebrate glycophosphatidylinositol (GPI) anchor and also the first demonstration of tissue specific differential glycosylation. Recombinant human THY1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

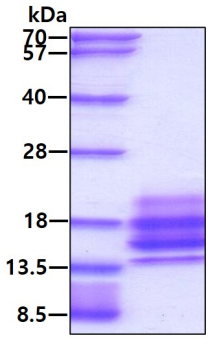
QKVTSLTACL VDQSLRLDCR HENTSSSPIQ YEFSLTRETK KHVLFGTVGV PEHTYRSRTN FTSKYNMKVL YLSAFTSKDE GTYTCALHHS GHSPPISSQN VTVLRDKLVK C<HHHHHH>

General References

Li Q., et al. (2015) PLoS Pathog. 11:E1004999.
Woeller CF., et al. (2015) FASEB J. 29:920-931.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain