

THY1, 20-130aa, Human, His tag, Baculovirus

Cat.NO.: TP04211

3th Edition

Synonyms: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.

Description:THY1, as known as Thy-1 membrane glycoprotein, is a cell membrane protein which contains 1Ig-like V-type (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 glycoposphatidylinositol (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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:13.3kDa (117aa), 13.5-28kDa (SDS-PAGE under reducing conditions)

Sequences:

QKVTSLTACLVDQSLRLDCRHENTSSSPIQYEFSLTRETKKHVLFGTGVPEHTYRSRTNFTSKYNMKVLYLSAFTS
KDEGTYTICALHHSGHSPPISSQNVTVLRDKLVKCHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.