

## 32-8377: Recombinant Human Thy-1 Membrane Glycoprotein/THY1/CD90(Discontinued)

**Gene :** THY1  
**Gene ID :** 7070  
**Uniprot ID :** P04216

### Description

Source: E.coli.  
MW :12.4kD.

Recombinant Human Thymus cell antigen 1 is produced by our E.coli expression system and the target gene encoding Gln20-Lys129 is expressed. Thy-1 membrane glycoprotein(THY1) is a 141 amino acids protein that contains 1 Ig-like V-type domain. Thy-1 is a 25Å-37 kDa heavily N-glycosylated, glycosphosphatidylinositol (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. Thy-1 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of Thy-1 led to the foundation of the Immunoglobulin superfamily, of which it is the smallest member, and led to some of the initial biochemical description and characterization of a vertebrate GPI anchor and also the first demonstration of tissue specific differential glycosylation. It may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.

### Product Info

**Amount :** 1 Membrane Glycoprotein/THY1/CD90 / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** QKVTSLTACLVDQSLRLDCRHENTSSSPIQYEFSLTRETKKHVLFGTGVPEHTYRSRTNFTSKYNMKVLYLSAF  
TSKDEGTYTCALHHS GHSPPISSQNVTVLRDKLVK

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.