Recombinant THY1 protein (His tag)

Catalog Number	544300
Synonyms	CDw90; Thy-1 antigen; CD antigen CD90
Species	Human
Expression System	E. coli
Accession	P04216
Molecular Weight	Predictes a molecular mass of 14.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	20-130
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 20-130 aa (P04216) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Thy-1 Membrane Glycoprotein (CD90) Fragment (aa 20-130) – a high-purity, 111-amino acid fragment designed to encompass the complete Ig-like V-type domain. This product serves as an essential tool for investigating cell-cell and cell-ligand interactions, particularly in neurological and immunological research. Thy-1 membrane glycoprotein (CD90) is a key cell surface protein in humans, believed to mediate cell-cell or cell-ligand interactions during critical processes such as synaptogenesis in the brain. It is anchored to the cell membrane via a glycosylphosphatidylinositol (GPI) linkage, positioning it to participate in extracellular signaling and adhesion events. The full-length protein's involvement in neural development and potential roles in immune modulation make it a significant target for studying intercellular communication mechanisms.