

PRODUCT DATA SHEET



Bioworld Technology, Inc.

CD90 Recombinant Protein

Catalog: NCP0357

Host: E.coli

Tag: His-tag

BackGround:

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.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~17kDa

Swiss-Prot:

P04216

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

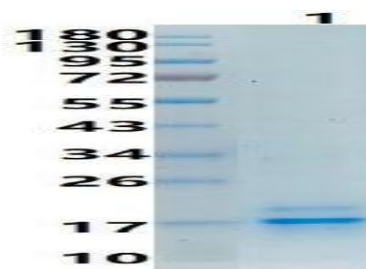
Storage&Stability:

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

Expression Vector:

pet-22b(+)

DATA:



Note:

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

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