

PRODUCT DATA SHEET



Bioworld Technology, Inc.

CD230 Recombinant Protein

Catalog: NCP0345

Host: E.coli

Tag: His-tag

BackGround:

The PRNP gene encodes the major prion protein (PrP, CD230), a widely-expressed glycoprotein expressed at high levels in the central nervous system. While the typical cellular function of PrP is not well defined, it is a putative antioxidant and a metal-binding protein that may be involved in signal transduction. Prion proteins can adopt different conformations; the cellular PrP^c prion protein may be converted following translation into the β -sheet-rich scrapie isoform (PrP^{sc}) responsible for several prion diseases, including bovine spongiform encephalopathy and human Creutzfeldt-Jakob disease. Unlike most neurodegenerative diseases, prion diseases are infectious as prions are capable of propagating by conferring an abnormally folded state onto properly folded cellular proteins. In addition, the cellular PrP^c has may be involved in β -amyloid peptide oligomerization and synaptic toxicity.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~30kDa

Swiss-Prot:

P04156

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

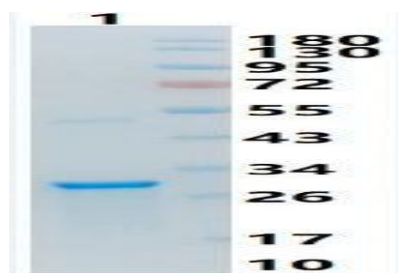
Storage&Stability:

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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