

32-4498: Recombinant Human Prion Protein

Alternative Name : ASCR,CD230,CJD,GSS,MGC26679,prion,PRIP,PrP,PrP27-30,PrP33-35C,PrPc,Major prion protein,PRNP.

Description

Source : E.coli. PRNP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 229 amino acids (23-230a.a) and having a molecular mass of 25kDa. GOSR2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Prion protein (PRNP) is a ubiquitous membrane glycoprotein whose abnormal self-replicating, misfolded form is widely believed to cause several central nervous system disorders, together known as Transmissible Spongiform Encephalopathies (TSE). PRNP contains a highly unstable region of five tandem octapeptide repeat. Mutations in PRNP protein's repeat region as well as elsewhere have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru.

Product Info

Amount : 10 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : PRNP protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MKKRPKPGGW NTGGSRYPGQ GSPGGNRYPP
QGGGGWGQPH GGGWGQPHGG GWGQPHGGGW GQPHGGGWGQ GGGTHSQWNK
PSKPKTNMKH MAGAAAAGAV VGGLGGYVLG SAMSRPIHF GSDYEDRYR ENMHRYPNQV
YYRPMDEYSN QNNFVHDCVN ITIKQHTVTT TTKGENFTET DVKMMERVVE QMCITQYERE
SQAYYQRGS.

