
Product Data Sheet

Product Name: PRNP Human
 Cat. No.: GP24227
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ASCR; CD230; CJD; GSS; MGC26679; prion; PRIP; PrP; PrP27-30; PrP33-35C; PrPc; Major prion protein; PRNP.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MKKRPKPGGW NTGGSRYPGQ GSPGGNRYPP QGGGGWGQPH GGGWGQPHGG GWGQPHGGGW GQPHGGGWGQ GGGTHSQWNK PSKPKTNMKH MAGAAAAGAV VGGLGGYVLG SAMSRPIHF GSDYEDRYR ENMHRYPNQV YYRPMDEYSN QNNFVHDCVN ITIKQHTVTT TTKGENFTET DVKMMERVVE QMCITQYERE SQAYYQRGS.		
Formulation	PRNP protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.		

Introduction

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.

Stability

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.

Background

PRNP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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