9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PRNP Human

Prion Protein Human Recombinant
RCP1705

Product Overview

Name	PRNP Human
Description	
Prion Protein Human Recombinant	
Accession (Primary)	P04156
Synonyms	
ASCR, CD230, CJD, GSS, MGC26679, prion, PRIP, PrP, PrP27-30, PrP33-35C, PrPc, Major prion protein, PRNP.	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
PRNP protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M KKRPKPGGW NTGGSRYPGQ GSPGGNRYPP QGGGGWGQPH GGGWGQPHGG GWGQPHGGGW GQPHGGGWGQ GGGTHSQWNK PSKPKTNMKH MAGAAAAGAV VGGLGGYVLG SAMSRPIIHF GSDYEDRYYR ENMHRYPNQV YYRPMDEYSN QNNFVHDCVN ITIKQHTVTT TTKGENFTET DVKMMERVVE QMCITQYERE SQAYYQRGS.	

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Precautions

PRNP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P04156)