Rotions

Regimer of

Mey are 1-x-amino acids

(monomers)

Here, Polymer -> large no of similar units bonded together

Lesso stereorisamer

X -> amino group (-NH2) attached to x-carbon

X-carbon -> 12 carbon adjacent to the carboxyl group Proteins centain 20 different amino acids lithked together by

peptide bonds. Hence, it is a polyner of l-X-amino acids

H

N-C-C

(R-X-aminoaid)

H

(Amino)

(Amino)

(A-corbon)

(Carbon)

(Carbon) · They are used: · To build cells
· Act as hormones & enzymes also useful functions and as catalyst in chemical headien " Classification of Proteins: 1) Based on Structure: Fibrous Jobalar Intermediate 2) Based on Composition: Simple · Conjugated 3) Based on Function - Enzymes, Hormones, Structural protiens Pigments, Transport & Contractile Proteins Forage Proteins & Toxins

Proteins hydrolysis Poptides hydrolysis Aminoacido Dehydration synthesis dehydration systesis Hydrolysis - Water (H2O) is added to break down peptide bonds, splitting proteins back to into individual amino acids Johnstein systems - Dater (He) is removed when carboxyl group of one amino acid bonds with the amino acid of another forming a peptide bond (amino group) 2 Damino acid forms Polypeptide chain folds Proteins Dehydration Process : (Formation of Proteins) Monomer: N-C-COH

(arrive acid) H H 2) Polypeptide

H

R

(amino acid chain)

N-C-C

H

Peptide bond in formal bot (SN)

H

Peptide bond in formal bot (SN)

H

N-C-C

H

Peptide bond

H

Peptide 3) Protein (Samuel 28 amiro acids) (Samire) Amiro and (Samuel) Amiro acid 2 acid 2 acid 2 * polypetide chain Primary sequence Cterminal is folded to form Boteins