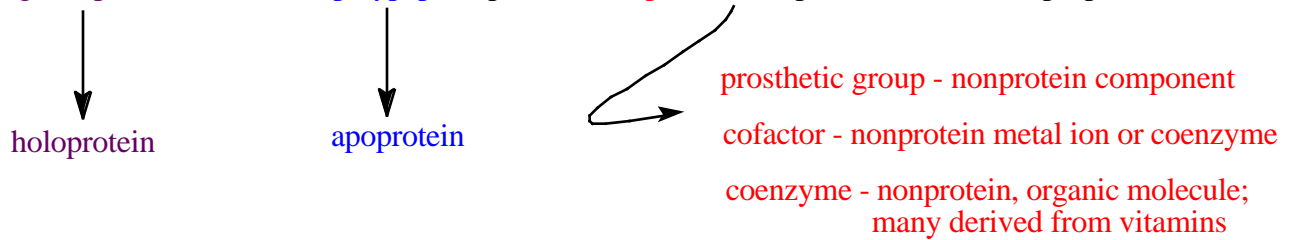


CONJUGATED PROTEINS

Conjugated proteins consist of polypeptide part and nonprotein components needed for proper function.



Nonprotein parts may be covalently linked or reversibly bound by weak chemical forces to the protein.

Conjugated protein	Prosthetic group	Cofactor	Coenzyme
glycoprotein	carbohydrate		
lipoprotein	lipid		
nucleoprotein	nucleic acid		
phosphoprotein	phosphate		
metalloprotein		metal ion	
hemoprotein		metal ion	heme group
flavoprotein			flavins

Some Enzymes	Cofactor	Coenzyme
aminotransferase		pyridoxal phosphate (PLP)
dehydrogenase		nicotinamide adenine dinucleotide (NAD ⁺)
dehydrogenase		flavin adenine dinucleotide (FAD)
reductase		nicotinamide adenine dinucleotide phosphate (NADPH)
kinase	Mg ⁺²	ATP