



2004



Трансляция

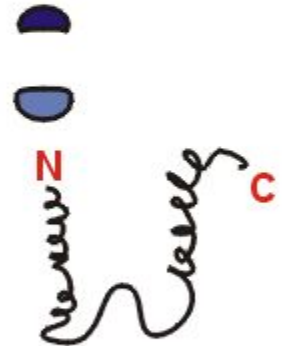
Полирибосома



м-РНК 5'



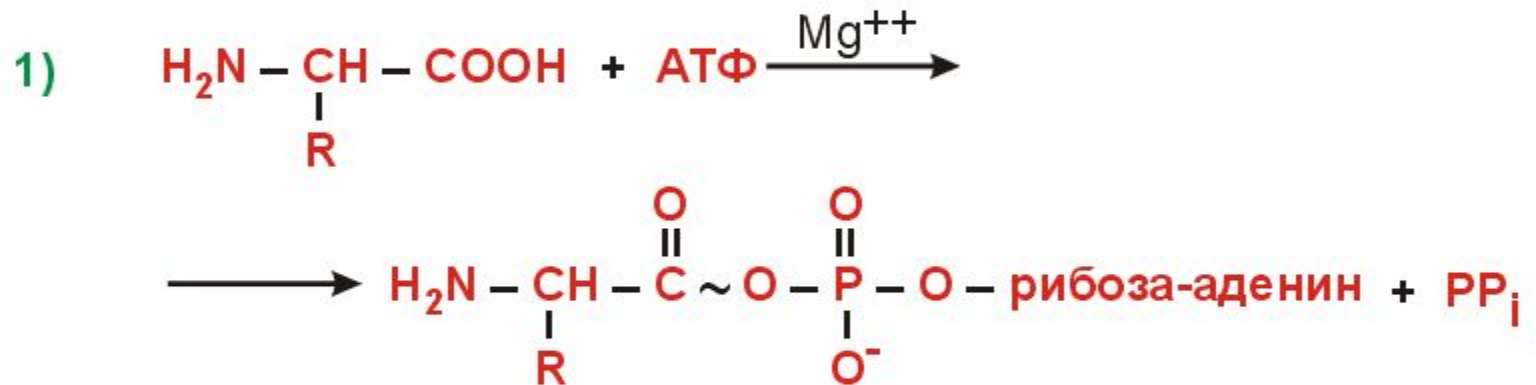
3'



METABURG media

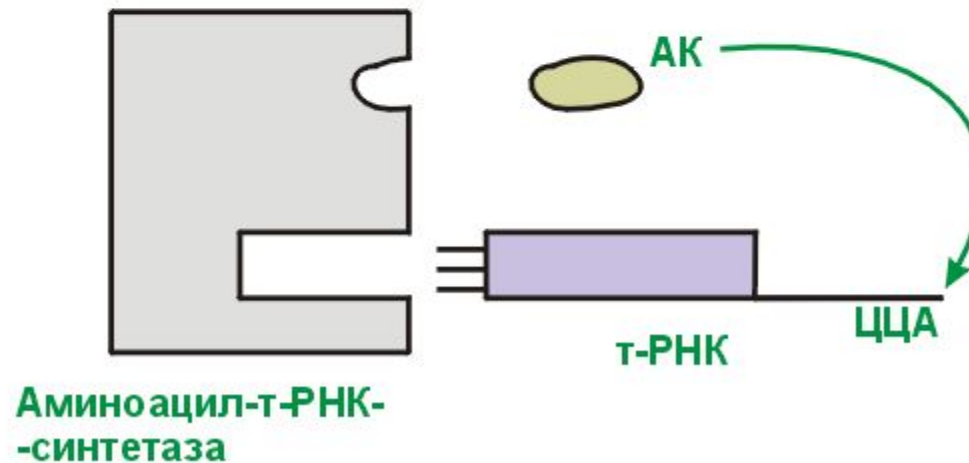
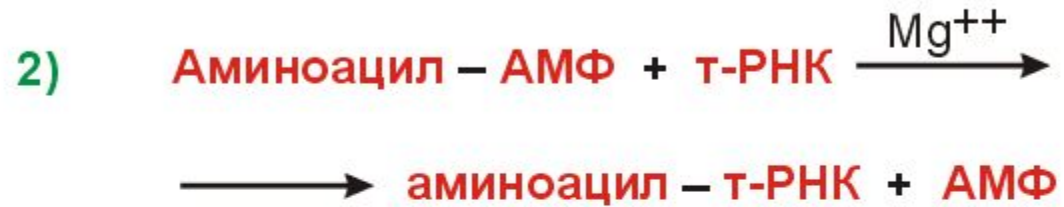


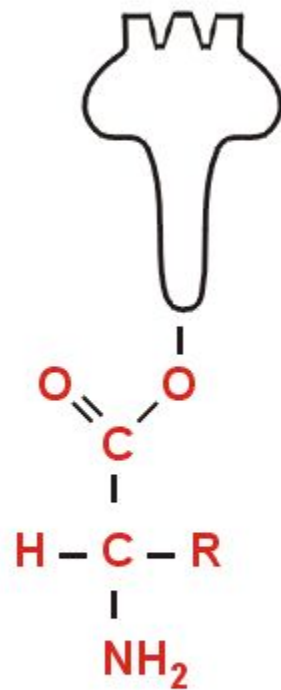
Активирование аминокислоты



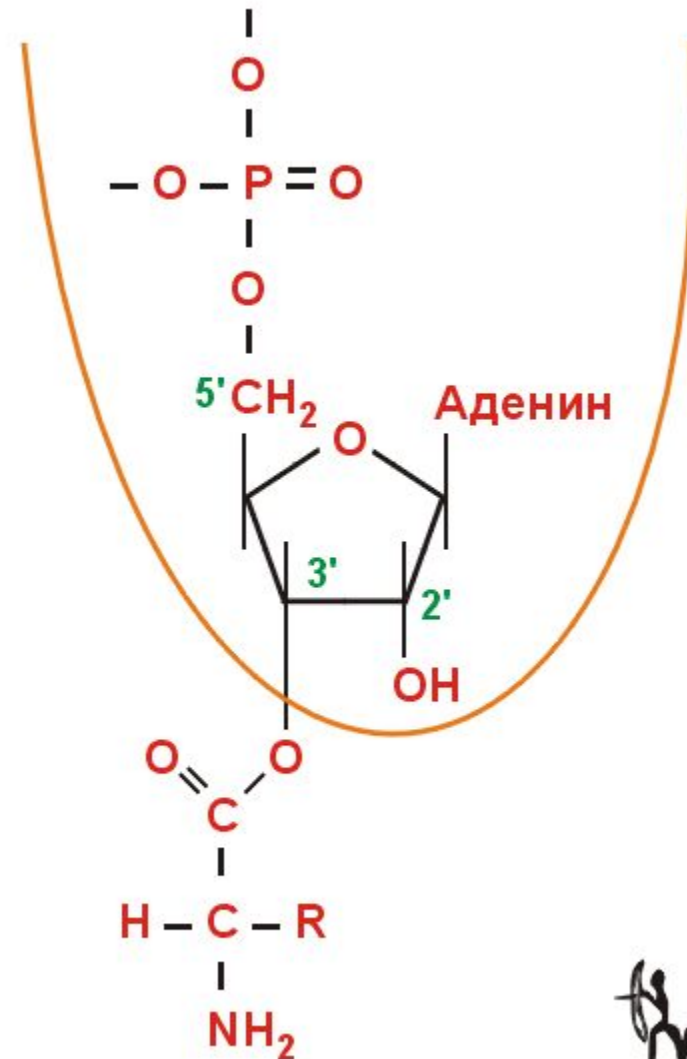


Активирование аминокислоты



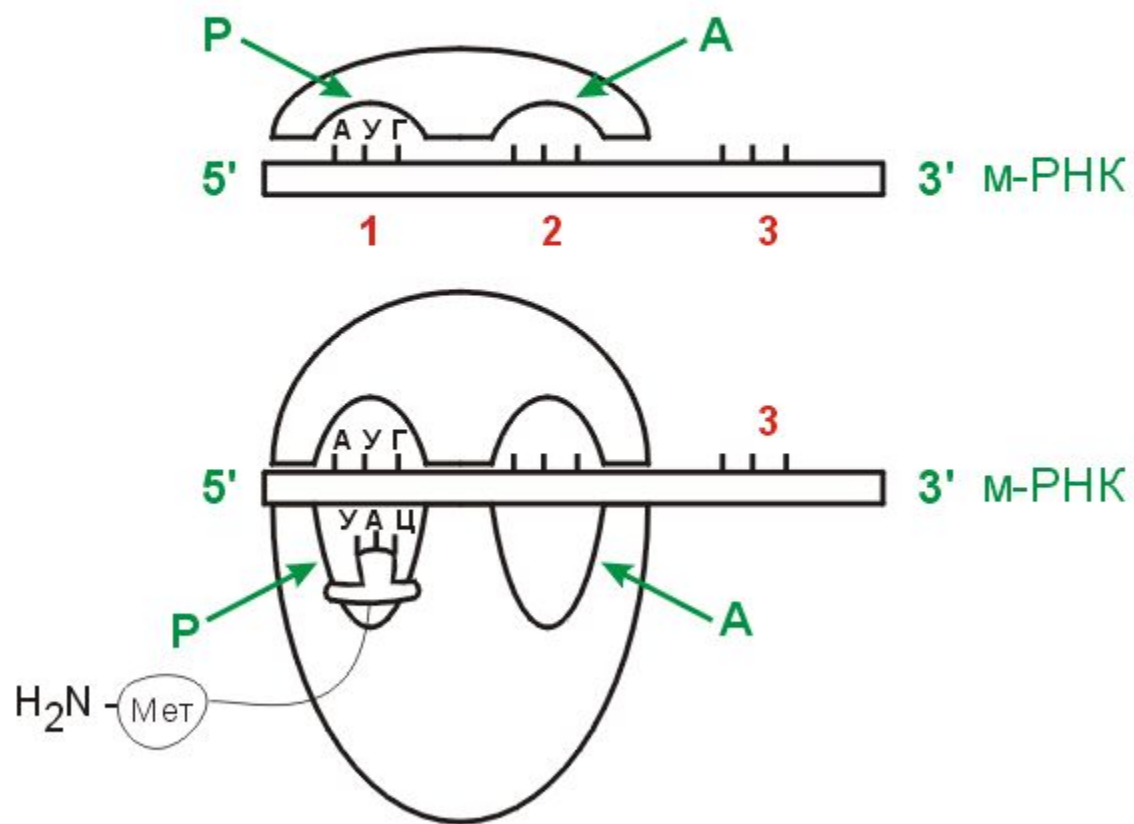


Аминоацил-т-РНК



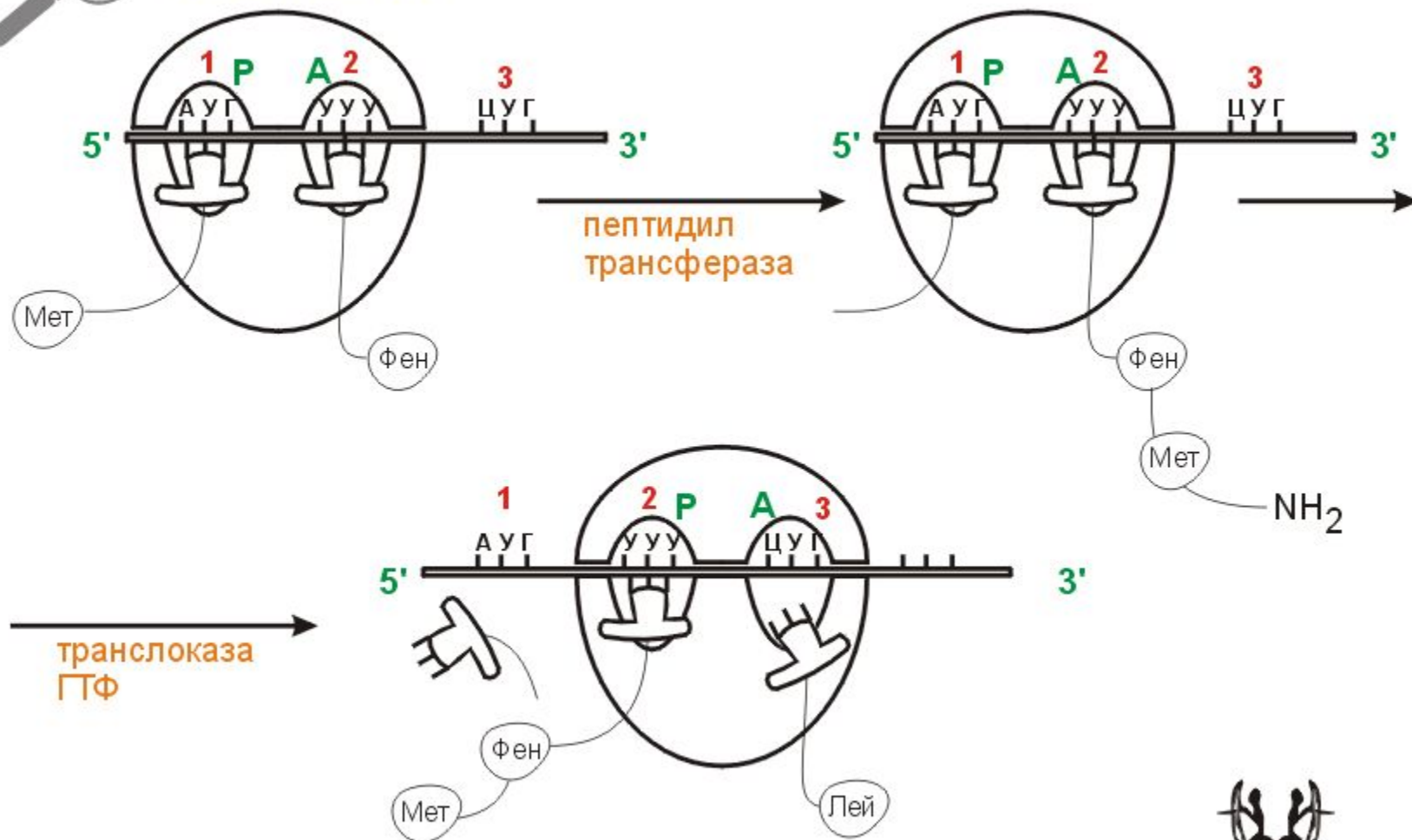


Инициация





Элонгация

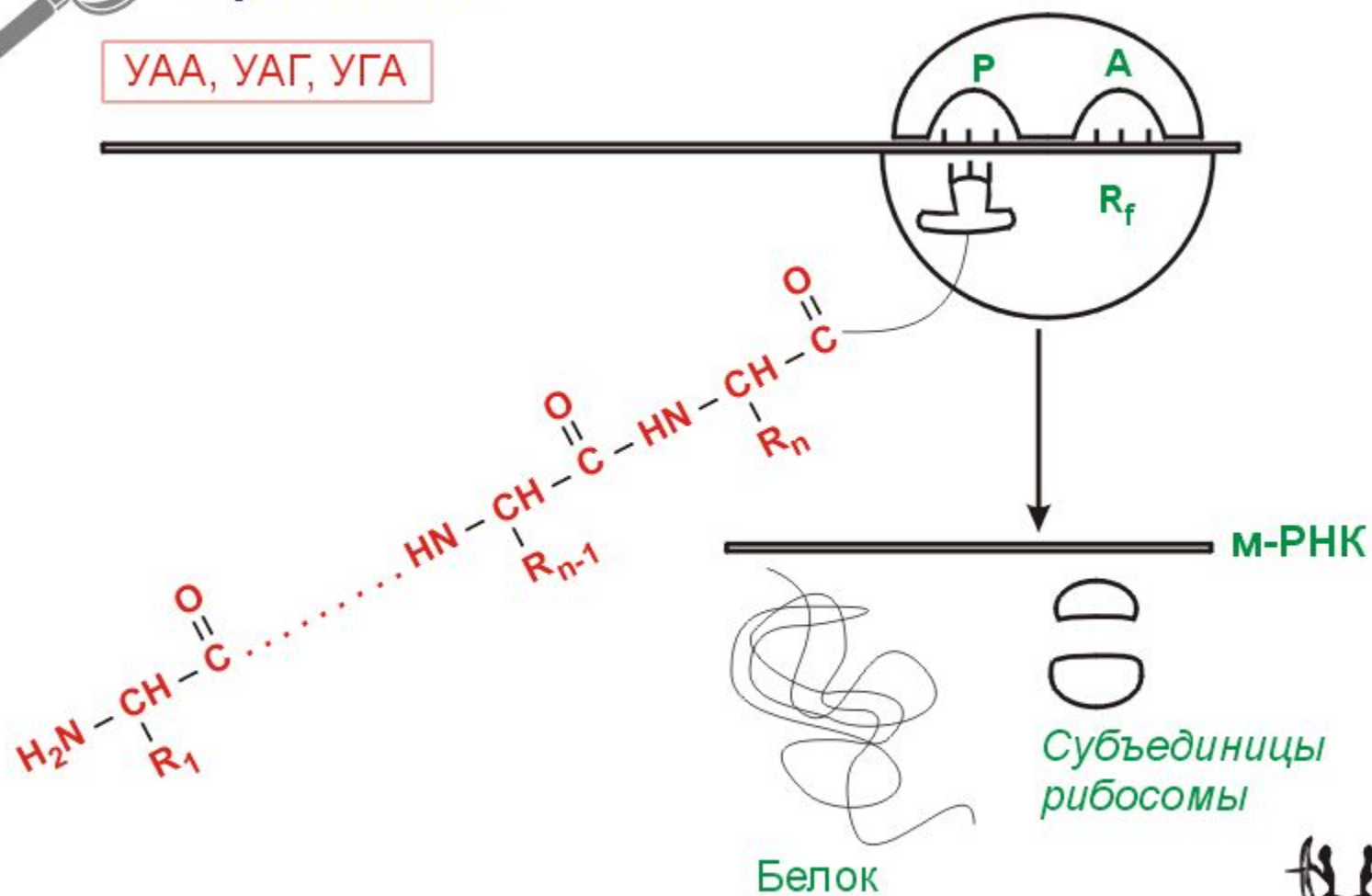


METABURG media



Терминация

УАА, УАГ, УГА

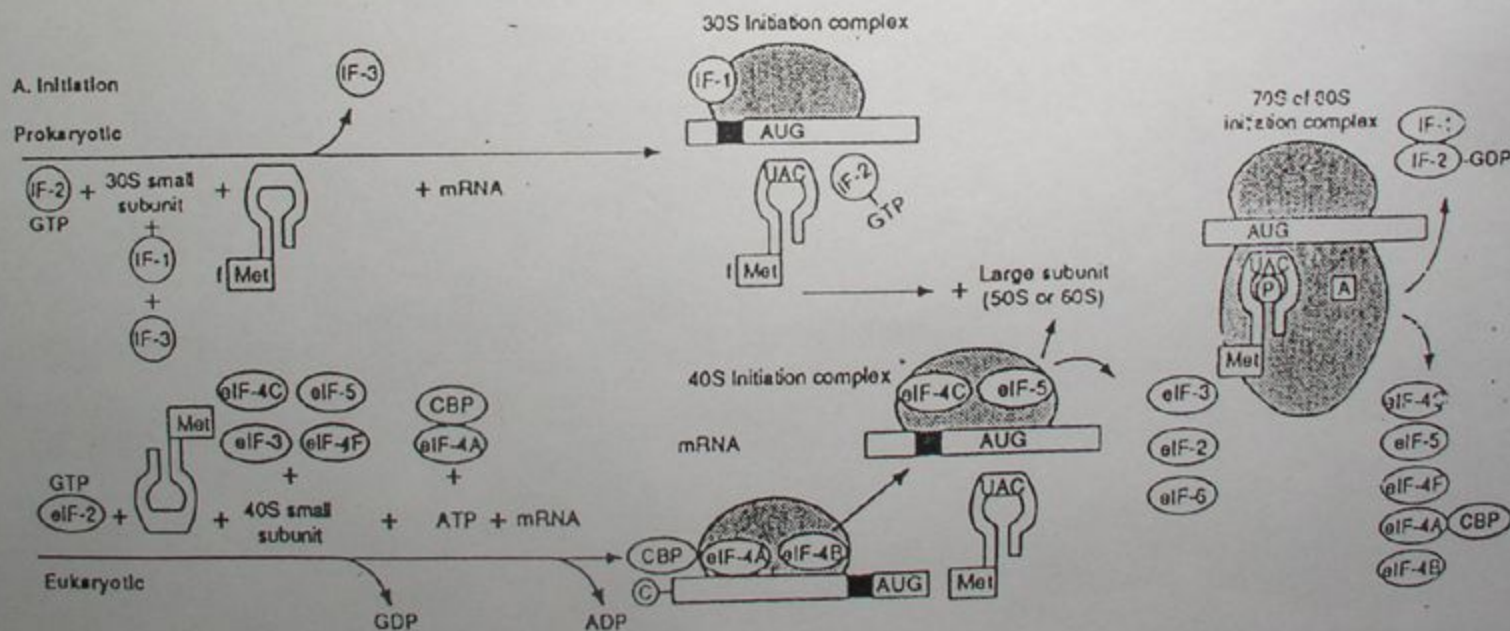
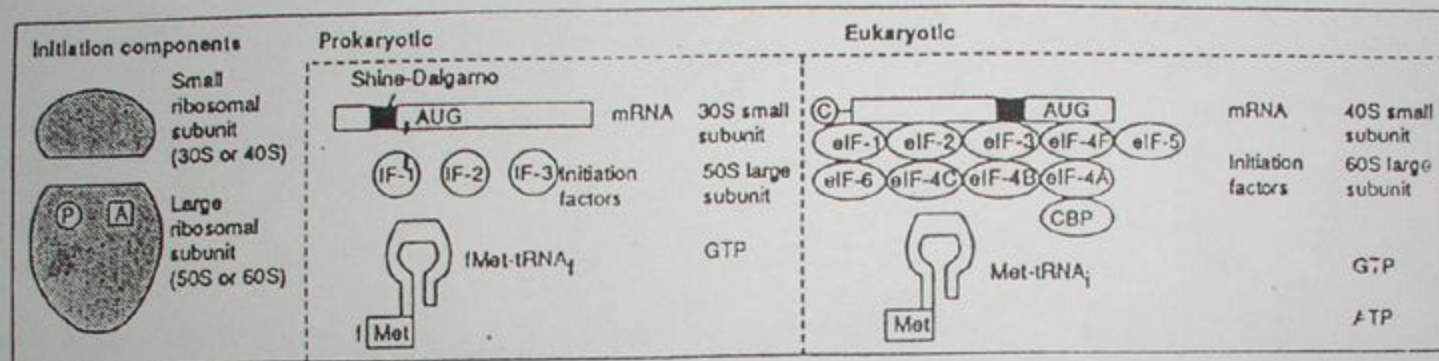


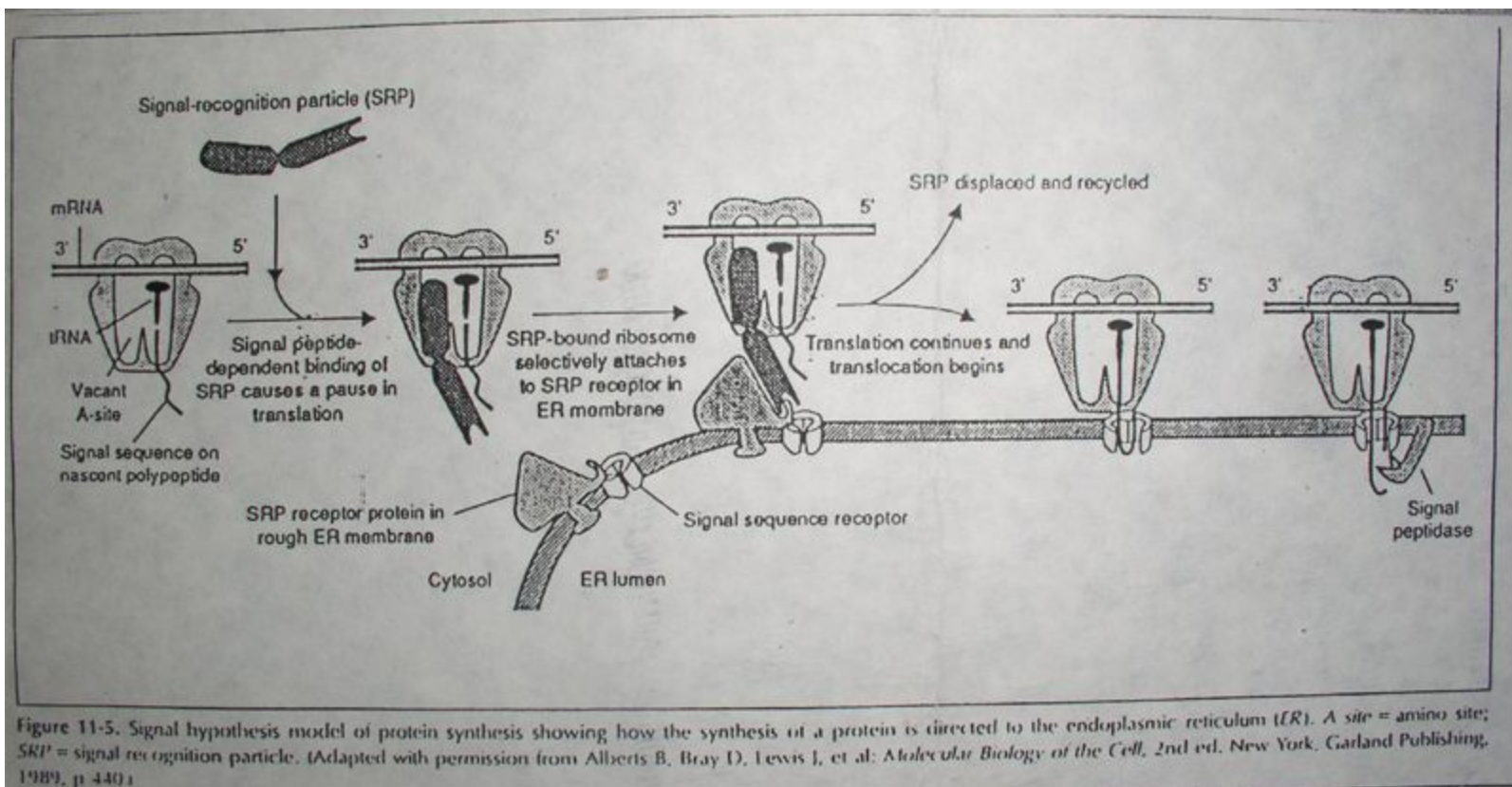
METABURG media



Необходимые компоненты трансляции

	Прокариоты	Эукариоты
Инициация	IF-1, IF-2, IF-3	eIF-№ (или № буква)
Элонгация	EF-Tu, EF-Ts, <u>EF-G</u>	eEF-1 α , eEF-1 β , <u>eEF-2</u>
Терминация	RF-1, RF-2, RF-3	eRF-1, eRF-3





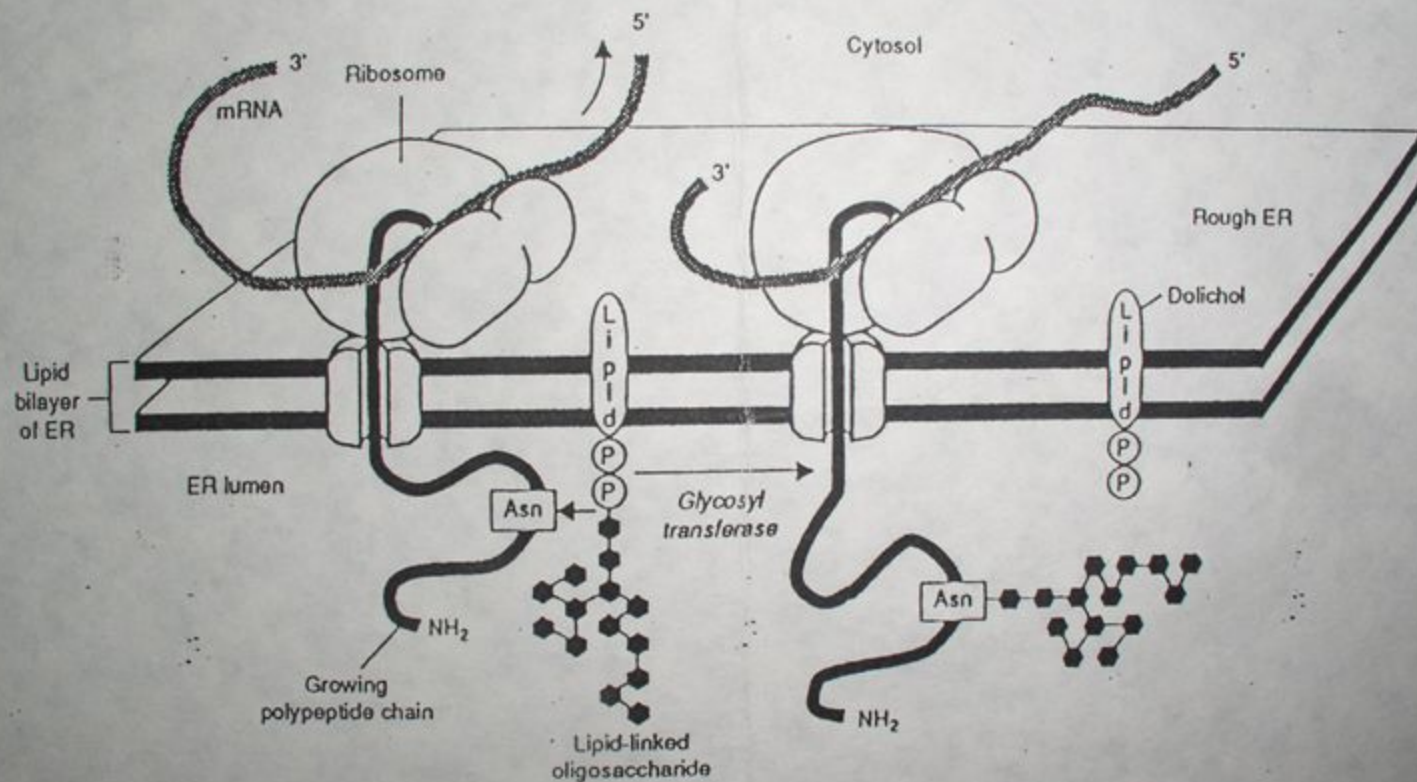


Figure 11-6. N-linked glycosylation of a protein being synthesized in the endoplasmic reticulum (ER). An oligosaccharide, previously synthesized and linked to the lipid dolichol within the membrane, is transferred by glycosyl transferase to an appropriate asparagine (Asn). Appropriate asparagines are the asparagines within the sequences Asn-X-Ser or Asn-X-Thr. mRNA = messenger RNA. (Reprinted with permission from Alberts B, Bray D, Lewis J, et al: *Molecular Biology of the Cell*. New York, Garland Publishing, 1983, p 349.)



Дифтерийный токсин

Бактериофаг *Corynebacterium diphtheriae*

Фрагмент **A** = АДФ-рибозил трансфераза. Фрагмент **B**



Ricin

α -Sarcin

Colicin E3



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