BIOCHEMISTRY NOTES

Protein Synthesis

(3rd)

بسيمه الله الرحمن الرحييم



ڪل هالبروتين وين يروح L

هذهالمذكرة كافية تماما وهي اتمامر لما بدأته قبل سنتين هي اهداء لدفعة ٤٢٨ الرائعين J

وإهداء لأغلى انسان بي في هذه الدفعة خاصة ل

اهداء الى كل الدفعات القادمة ...

أحمد العقيل ..

Team Leader :

أحمد العقيل

Team members :

Yahya Al-Aseeri Metallic 0 Mind

أماني علي البجادي غرك زمانك



BIOCHEMISTRY NOTES

(3rd) thesis



BIOCHEMISTRY NOTES

Protein Synthesis

4) Other covalent modifications :

a-Carboxylation : (MCQ)

- additional carboxyl groups can be added to glutamate residues by vit.K

- the resulting carboxyglutamate residues are essential for the activity of several of the blood-clotting proteins

b- Biotinylated enzyme :

- biotin is covalently bound to the amino groups of lysine residues of biotin-dependent enzymes that catalyze carboxylation reactions

- such as -> pyruvate carboxylase

c- Farnesylated protein :

- help anchor proteins in membranes.

Note : many proteins are acetylated .



Figure 28.26

Carboxylation of glutamate to form γ -carboxyglutamate (Gla).

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