

Glycosylation-independent targeting

Plasma membrane proteins and secretory proteins do not need an oligosaccharide signal to localize properly. Other types of signaling are assumed (conformation of the protein, a certain three-dimensional motif in its structure). These proteins can be "sent" to the apical or basolateral part of the plasma membrane in some way, or they are classified for two types of secretion: **constitutive secretion**, which is constant, rapid and proteins do not condense in secretory vesicles, or **controlled secretion**, when proteins are stored and concentrated in the vesicles and can be released from the cell only on a hormonal impulse. Then do the vesicles merge with the cytoplasmic membrane and their contents are released outside the cell. Examples of controlled secretion are the release of digestive enzymes from acinar cells of the pancreas or the release of peptide hormones from endocrine cells.

References

Related Articles

- Translation of membrane and secretory proteins (protein sorting, targeting)
- Translation, post-translational processing of proteins in eukaryotes
- Post-translational modifications and protein targeting

Source

- ŠTÍPEK, Stanislav. *Stručná biochemie : Uchování a exprese genetické informace*. 1. edition. Medprint, 1998. ISBN 80-902036-2-0.

References

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