

ii. Synthesizing

- Involves synthesis of polypeptide chains in the rough ER
- Cytosol
- From rough ER to cytosol (compartmentalization)
- In cytosol → Golgi organelle
- Secretion through endosome (B)

iii. Storage

iv. Synthesis

Polypeptide 1

1
2
3
4
5
6
7
8
9



Polypeptide 2

1
2
3
4
5
6
7
8
9



Polypeptide 3

1
2
3
4
5
6
7
8
9



v. Storage



When a secretory polypeptide is synthesized, it enters a secretory vesicle and is transported to the Golgi.

vi. Storage

Polypeptide 1 → **Polypeptide 2** → **Polypeptide 3** → **Polypeptide 4** → **Polypeptide 5**

Polypeptide 1 → **Polypeptide 2** → **Polypeptide 3** → **Polypeptide 4** → **Polypeptide 5**

or a polypeptide is synthesized, it enters the Golgi apparatus. The polypeptide enters the Golgi apparatus and is transported to the Golgi apparatus.

The polypeptide enters the Golgi apparatus and is transported to the Golgi apparatus.