Steady-state equations

$$e = f_E (1 - a)$$

$$r = f_R (1 - a)$$

$$q = f_Q (1 - a)$$

$$x = f_X (1 - a)$$

Protein sector concentration
=
sector allocation fraction
X
total protein concentration

$$kf_E(1-a) = \sigma \left[f_R - \frac{r_i}{1-a} \right] \frac{a}{a+a_{sat}}$$

Balance between precursor synthesis and protein synthesis