Bicoid [1]

By: Resnik, Jack  Keywords: Morphogens [2]
https://hpsrepository.asu.edu/bitstream/handle/10776/3704/license.txt [3]

Bicoid is the protein product of a maternal-effect gene unique to flies of the genus Drosophila. In 1988 Christiane Nüsslein-Volhard identified bicoid as the first known morphogen. A morphogen is a molecule that determines the fate and phenotype of a group of cells through a concentration gradient across that developing region. The bicoid gradient, which extends across the anterior-posterior axis of Drosophila embryos, organizes the head and thorax.

Subject


Topic

Processes [15]

Publisher

Arizona State University. School of Life Sciences. Center for Biology and Society. Embryo Project Encyclopedia.

Rights

© Arizona Board of Regents Licensed as Creative Commons Attribution-NonCommercial-Share Alike 3.0 Unported (CC BY-NC-SA 3.0) http://creativecommons.org/licenses/by-nc-sa/3.0/

Format

Articles [16]

Last Modified

Friday, February 27, 2015 - 22:53

DC Date Accessed

Monday, August 13, 2012 - 21:48