生物物理学报(2001) 17(3), 441-448

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细菌视紫红质研究的新进展

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细菌视紫红质(bR)自六十年代末发现以来,一直是膜蛋白领域研究的热点之一,bR不仅在基础理论研究方向有着深远的意义,而且也有着广泛的应用前景。对bR的结构、质子泵功能、折叠机制等研究前沿进行概述。

PROGRESS IN BACTERIORHODOPSIN RESEARCH

Bacteriorhodopsin has been the hotspot in the field of membrane protein research, since it was found in the late of 1960's. It not only has the profound significance in the research of basic theoretics, but also has the broad applied prospects. The structure of bR, the function of proton pump and the folding mechanism are summarized in this review.

关键词

细菌视紫红质(bR)(Bacteriorhodopsin); 结构(Structure); 质子泵(Proton pump); 水分子(Water); 折叠(Folding)