



VPS29 Protein Crystal

Catalog: CBCRY38

PRODUCT INFORMATION

Name VPS29 Protein Crystal

Cat No. CBCRY38

Fragment Full length

Protein Description Vacuolar Protein Sorting Protein 29

Background

VPS29 belongs to a group of genes coding for vacuolar protein sorting (VPS) proteins that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. The protein encoded by this gene, Vps29, is a component of a large multimeric complex, termed the retromer complex, which is involved in retrograde transport of proteins from endosomes to the trans-Golgi network. Vps29 may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment.

Protein Classification cytoplasmic protein

Structure Weight 20531.90 Da

Method X-Ray Diffraction

Resolution 2.10Å

Reference

Wang, D., Guo, M., Liang, Z., Fan, J., Zhu, Z., Zang, J., Zhu, Z., Li, X., Teng, M., Niu, L., Dong, Y., Liu, P. (2005) Crystal Structure of Human Vacuolar Protein Sorting Protein 29 Reveals a Phosphodiesterase/Nuclease-Like Fold and Two Protein-Protein Interaction Sites. *J.Biol.Chem.* 280: 22962