



# VPS29 Protein Crystal

Catalog: CBCRY38

## PRODUCT INFORMATION

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**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