



# VPS29 Protein Crystal

Catalog: CBCRY38

## PRODUCT INFORMATION

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<b>Name</b>	VPS29 Protein Crystal
<b>Cat No.</b>	CBCRY38
<b>Fragment</b>	Full length
<b>Protein Description</b>	Vacuolar Protein Sorting Protein 29
<b>Background</b>	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.
<b>Protein Classification</b>	cytoplasmic protein
<b>Structure Weight</b>	20531.90 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.10Å
<b>Reference</b>	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