

Orientation of Proteins in Membranes

| Depth/Hydrophobic Thickness | $\Delta G_{\text{transfer}}$ | Tilt Angle |
|-----------------------------|------------------------------|--------------------|
| $24.4 \pm 1.7 \text{ \AA}$ | -34.1 kcal/mol | $18. \pm 4.^\circ$ |

Membrane Embedded Residues (in Hydrocarbon Core)

| Subunits | Tilt | Segments |
|----------|------|--|
| | | Embedded_residues: |
| A | 22 | 4,7-18,24-50,56-69,71-80,87-96,99-108,115-124 |
| | | Transmembrane_secondary_structure_segments: |
| A | 17 | 1(10- 17), 2(24- 36), 3(40- 49), 4(57- 68), 5(73- 79), 6(87- 96), 7(100- 107), 8(115- 124) |

Output Messages

heteroatoms excluded

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Image of the protein in membrane

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