

## Orientation of Proteins in Membranes

Depth/Hydrophobic Thickness	$\Delta G_{\text{transfer}}$	Tilt Angle
$25.0 \pm 1.1 \text{ \AA}$	-41.0 kcal/mol	$7. \pm 1.^\circ$

## Membrane Embedded Residues (in Hydrocarbon Core)

Subunits	Tilt	Segments
		Embedded_residues:
A	12	7,9-19,24-34,36,40-50,57-66,68,71-82,85-96,100-109,114-124
		Transmembrane_secondary_structure_segments:
A	6	1( 10- 17), 2( 24- 34), 3( 42- 49), 4( 57- 66), 5( 74- 79), 6( 86- 94), 7( 102- 107), 8( 115- 124)

### Output Messages

heteroatoms excluded

### Download Output File

[PDB file](#)

### Image of the protein in membrane

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