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Search SWISS-MODEL Repository

A0A6P7TP13 (A0A6P7TP13_OCTVU)*Octopus vulgaris (Common octopus)*

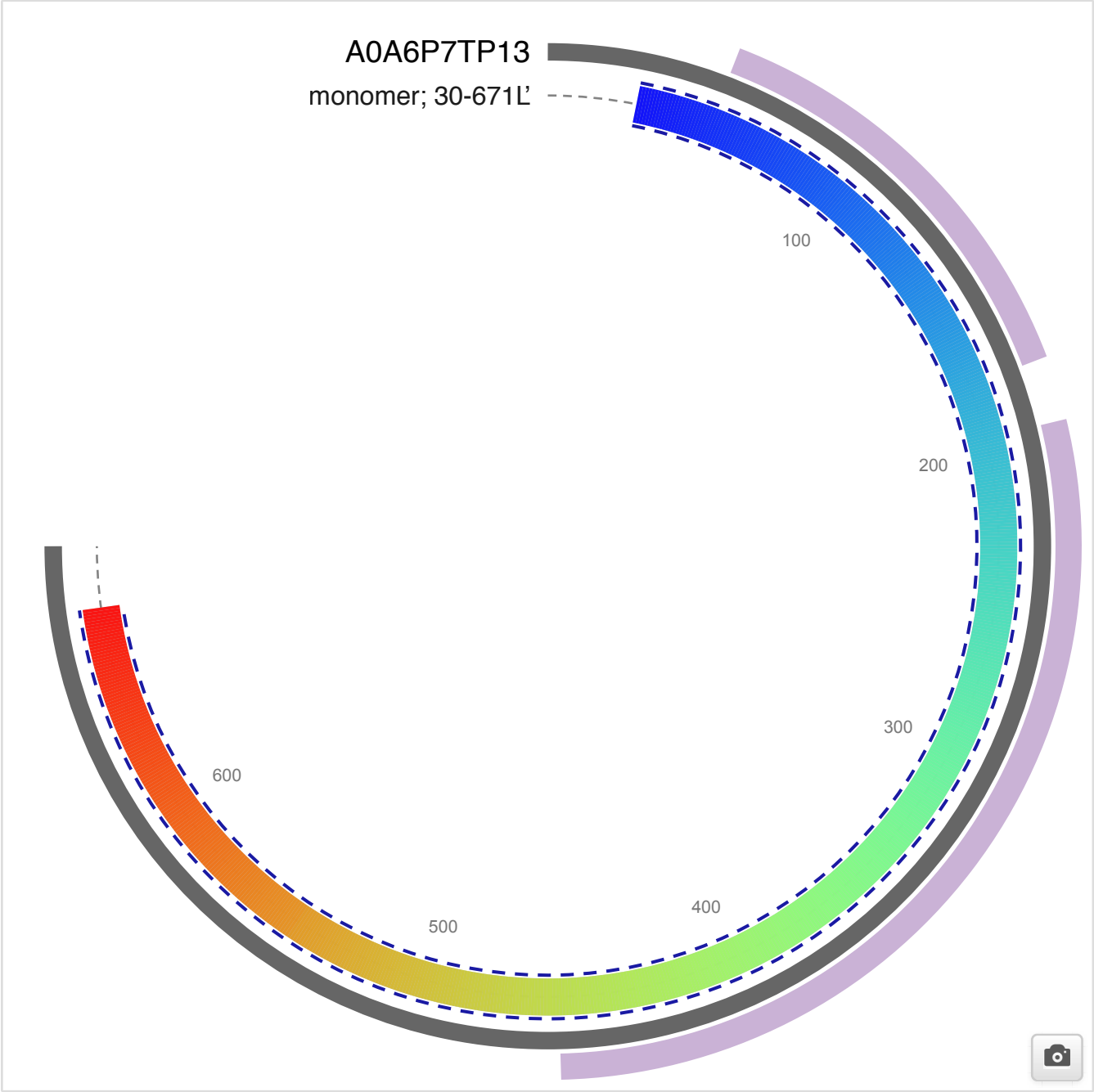
G protein-coupled receptor kinase

☆ UniProtKB

InterPro

Interactive Modelling

691 aa; Sequence (Fasta)



Homology Model

Template: **6c2y.1.A** "*Human GRK2 in complex with Gbetagamma subunits and CCG257142*" **P25098**

SMTL Version: 2021-03-03

Seq Identity: 66.32%

Seq Similarity: 0.50

1 x (4R,5R,6S)-4-[4-fluoro-3-([3-(methoxymethyl)-1,2,4-oxadiazol-5-yl]methyl)carbamoyl]phenyl]-N-(2H-indazol-5-yl)-6-methyl-2-oxohexahydropyrimidine-5-carboxamide

Coordinates:

Model Quality Estimate

QMEAN

Cβ

All Atom

solvation

torsion

-1.26

-1.30

-0.18

0.79

-1.28

Sequence Features

InterPro

+ Add

Cartoon

Sequence Alignments

Model based on 6c2y.1.A *Beta-adrenergic receptor kinase 1*

MODEL	KKIVLPDPsirsvMHKHLlKNGiVtFEHiFDQRIgYllFkDfCnNGSDvPIAEiNFyEEiKKfQTMdTDedRIKQARDiY	109
6c2y.1.A	KKILLPEPSIRSVMQKYLEDRGevTFEKiFSQKLGYllFRDfClNHLEEARPLVEfyEEiKKyEKLETEEERVARsREiF	109
MODEL	DQFIMRELLAQCHEYTKTAINNVQDALTKARKTKQLGNHIFNkyKDEiRKKLNKEEFNKFLESdRYTRYLQWKNLELNiN	189
6c2y.1.A	DSYIMKELLACSHpFSKSATeHVQGHlGK---KQVPpDLfQPYIEEiCQNLRGdVfQKFIEsDKfTRfCQWKNVELNiH	185
MODEL	LTMNDFSVHRIiGRGGfGEVYgCRKADtGkMYAMKCLDKKRIKlKtGETLALNERiMlSLVStGECpFIVCMtYAFQTPe	269
6c2y.1.A	LTMNDFSVHRIiGRGGfGEVYgCRKADtGkMYAMKCLDKKRIKMkQGETLALNERiMlSLVStGDcPFIVCMsYAFHTPD	265
MODEL	KLCFiLDlMNGGDlHYHLSQHGvFSEQEvRFyAAEvilGLeHMHVrgVvYrDLKpANiLLDESGHVRISDLGLACDFsKK	349
6c2y.1.A	KLSFiLDlMNGGDlHYHLSQHGvFSEADMRfYAAEiIlGLeHMHNRfVvYrDLKpANiLLDEHGhVRISDLGLACDFsKK	345
MODEL	KPHASVGTHGYMAPEVLAKGVAYDSSADWFSFGCMLYKLLKGHSpFRQHKTKDKHEiDRMTMTMNVELPDsMSSEMKSLl	429
6c2y.1.A	KPHASVGTHGYMAPEVLQKGvAYDSSADWFSlGCMLfKLLRGHSpFRQHKTKDKHEiDRMTlTMaVELPDsFSPElRSLl	425
MODEL	EGLlKRdVEERlGCTgKGAEELKENpFFKDLdWNKVYQlHYTPPlIPPRGEVNAAADAFDiGSfDEDDTKGiRlSESdQQl	509
6c2y.1.A	EGLlQRdVNRRlGClGRGAQEvKESpFFRSLdWQMVfLQKYPPPlIPPRGEVNAAADAFDiGSfDEEDTKGiKLLdSDQEL	505

Homology models

Oligo-state	QMEAN	Template	Range	Seq id (%)	Ligands
monomer	-1.26	6c2y.1.A	<div></div>	66.32	1×EJS;
	Assess				