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2DN1 mutated.fasta Created: today at 18:20

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Project Summary

Target 1 VLSPADKTNVKAAGKVGAGAHAGEYAAEALERMFLSFPTTKTYFPFHFDLSHGSAQVKGHGKKVADALTNAVAHVDDMPNALSDLHAHKLRVDPVNFKLLSHCLLVTLAAHLPAAFF

Template Results ⓘ

A total of 2051 templates were found to match the target sequence. This list was filtered by a heuristic down to 50. The top templates are:

Template	Sequence Identity	Biounit Oligo State	Description
P63112.1	91.49	monomer	Hemoglobin subunit alpha AlphaFold DB model of HBA_PAPCY (gene: HBA, organism: Papio cynocephalus (Yellow baboon))
2dn2.1	99.29	hetero-tetramer	Hemoglobin alpha subunit 1.25A resolution crystal structure of human hemoglobin in the deoxy form
8dov.2	99.29	hetero-pentamer	Hemoglobin subunit alpha Crystal structure of the Shr Hemoglobin Interacting Domain 2 (HID2) in complex with Hemoglobin
1k1k.1	99.29	hetero-tetramer	HEMOGLOBIN ALPHA CHAIN Structure of Mutant Human Carbonmonoxyhemoglobin C (beta E6K) at 2.0 Angstrom Resolution in Phosphate Buffer.
1ird.1	99.29	hetero-tetramer	Hemoglobin alpha chain Crystal Structure of Human Carbonmonoxy-Haemoglobin at 1.25 A Resolution

[Show full template details](#)

Model Results ⓘ

	Id	Template	GMQE ⓘ	QMEANDisCo Global ⓘ	Oligo State	Ligands
	01	2dn2.1.C	0.91	0.84 ± 0.07	monomer	1 x HEM ⓘ

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