

# *Albumin*

**Albumin** is a [family](#) of [globular proteins](#), the most common of which are the [serum albumins](#). All the proteins of the albumin family are water-[soluble](#), moderately soluble in concentrated salt solutions, and experience heat [denaturation](#). Albumins are commonly found in [blood plasma](#) and differ from other [blood proteins](#) in that they are not [glycosylated](#). Substances containing albumins are called *albuminoids*.

## Serum albumin family



Structure of serum albumin.<sup>[1][2]</sup>

### Identifiers

<b>Symbol</b>	Serum_albumin
<b>Pfam</b>	PF00273 ( <a href="http://pfam.xfam.org/family?acc=PF00273">http://pfam.xfam.org/family?acc=PF00273</a> )
<b>Pfam clan</b>	CL0282 ( <a href="http://pfam.xfam.org/clan/CL0282">http://pfam.xfam.org/clan/CL0282</a> )
<b>InterPro</b>	IPR014760 ( <a href="https://www.ebi.ac.uk/interpro/entry/IPR014760">https://www.ebi.ac.uk/interpro/entry/IPR014760</a> )
<b>SMART</b>	SM00103 ( <a href="http://smart.embl-heidelberg.de/smart/do_annotation.pl?DOMAIN=SM00103">http://smart.embl-heidelberg.de/smart/do_annotation.pl?DOMAIN=SM00103</a> )
<b>PROSITE</b>	PS51438 ( <a href="https://prosite.expasy.org/PS51438">https://prosite.expasy.org/PS51438</a> )
<b>SCOP2</b>	1ao6 ( <a href="http://scop2.mrc-lmb.cam.ac.uk/search?t=xt;q=1ao6">http://scop2.mrc-lmb.cam.ac.uk/search?t=xt;q=1ao6</a> ) / SCOPe ( <a href="https://scop.berkeley.edu/pdb/code=1ao6">https://scop.berkeley.edu/pdb/code=1ao6</a> ) / SUPFAM ( <a href="http://supfam.org/SUPERFAMILY/cgi-bin/search.cgi?search_field=1ao6">http://supfam.org/SUPERFAMILY/cgi-bin/search.cgi?search_field=1ao6</a> )

### Available protein structures:

<b>Pfam</b>	<a href="http://pfam.xfam.org/family/PF00273?tab=pdbBlock">structures (http://pfam.xfam.org/family/PF00273?tab=pdbBlock)</a> / <a href="http://prodata.swmed.edu/ecod/complete/search?kw=PF00273">ECOD (http://prodata.swmed.edu/ecod/complete/search?kw=PF00273)</a>
<b>PDB</b>	<a href="https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_id:PF00273%20AND%20rcsb_polymer_entity_annotation.type:Pfam">RCSB PDB (https://www.rcsb.org/search?q=rcsb_polymer_entity_annotation.annotation_id:PF00273%20AND%20rcsb_polymer_entity_annotation.type:Pfam)</a> ; <a href="https://www.ebi.ac.uk/pdbe/entry/search/index?pfam_accession:PF00273">PDBe (https://www.ebi.ac.uk/pdbe/entry/search/index?pfam_accession:PF00273)</a> ; <a href="https://pd bj.org/searchFor?query=PF00273">PDBj (https://pd bj.org/searchFor?query=PF00273)</a>
<b>PDBsum</b>	<a href="https://www.ebi.ac.uk/thornton-srv/databases/cgi-bin/pdbsum/GetPfamStr.pl?pfam_id=PF00273">structure summary (https://www.ebi.ac.uk/thornton-srv/databases/cgi-bin/pdbsum/GetPfamStr.pl?pfam_id=PF00273)</a>
<b>PDB</b>	<a href="https://www.rcsb.org/structure/1ao6">1ao6 (https://www.rcsb.org/structure/1ao6)</a> , <a href="https://www.rcsb.org/structure/1bj5">1bj5 (https://www.rcsb.org/structure/1bj5)</a> , <a href="https://www.rcsb.org/structure/1bke">1bke (https://www.rcsb.org/structure/1bke)</a> , <a href="https://www.rcsb.org/structure/1bm0">1bm0 (https://www.rcsb.org/structure/1bm0)</a> , <a href="https://www.rcsb.org/structure/1e78">1e78 (https://www.rcsb.org/structure/1e78)</a> , <a href="https://www.rcsb.org/structure/1e7a">1e7a (https://www.rcsb.org/structure/1e7a)</a> , <a href="https://www.rcsb.org/structure/1e7b">1e7b (https://www.rcsb.org/structure/1e7b)</a> , <a href="https://www.rcsb.org/structure/1e7c">1e7c (https://www.rcsb.org/structure/1e7c)</a> , <a href="https://www.rcsb.org/structure/1e7e">1e7e (https://www.rcsb.org/structure/1e7e)</a> , <a href="https://www.rcsb.org/structure/1e7f">1e7f (https://www.rcsb.org/structure/1e7f)</a> , <a href="https://www.rcsb.org/structure/1e7g">1e7g (https://www.rcsb.org/structure/1e7g)</a> , <a href="https://www.rcsb.org/structure/1e7h">1e7h (https://www.rcsb.org/structure/1e7h)</a> , <a href="https://www.rcsb.org/structure/1e7i">1e7i (https://www.rcsb.org/structure/1e7i)</a> , <a href="https://www.rcsb.org/structure/1gni">1gni (https://www.rcsb.org/structure/1gni)</a> , <a href="https://www.rcsb.org/structure/1gnj">1gnj (https://www.rcsb.org/structure/1gnj)</a> , <a href="https://www.rcsb.org/structure/1h9z">1h9z (https://www.rcsb.org/structure/1h9z)</a> , <a href="https://www.rcsb.org/structure/1ha2">1ha2 (https://www.rcsb.org/structure/1ha2)</a> , <a href="https://www.rcsb.org/structure/1hk1">1hk1 (https://www.rcsb.org/structure/1hk1)</a> , <a href="https://www.rcsb.org/structure/1hk2">1hk2 (https://www.rcsb.org/structure/1hk2)</a> , <a href="https://www.rcsb.org/structure/1hk3">1hk3 (https://www.rcsb.org/structure/1hk3)</a> , <a href="https://www.rcsb.org/structure/1hk4">1hk4 (https://www.rcsb.org/structure/1hk4)</a> , <a href="https://www.rcsb.org/structure/1hk5">1hk5 (https://www.rcsb.org/structure/1hk5)</a> , <a href="https://www.rcsb.org/structure/1j78">1j78 (https://www.rcsb.org/structure/1j78)</a> , <a href="https://www.rcsb.org/structure/1j7e">1j7e (https://www.rcsb.org/structure/1j7e)</a> , <a href="https://www.rcsb.org/structure/1kw2">1kw2 (https://www.rcsb.org/structure/1kw2)</a> , <a href="https://www.rcsb.org/structure/1kxp">1kxp (https://www.rcsb.org/structure/1kxp)</a> , <a href="https://www.rcsb.org/structure/1lot">1lot (https://www.rcsb.org/structure/1lot)</a> , <a href="https://www.rcsb.org/structure/1ma9">1ma9 (https://www.rcsb.org/structure/1ma9)</a> , <a href="https://www.rcsb.org/structure/1n5u">1n5u (https://www.rcsb.org/structure/1n5u)</a> , <a href="https://www.rcsb.org/structure/1o9x">1o9x (https://www.rcsb.org/structure/1o9x)</a> , <a href="https://www.rcsb.org/structure/1tf0">1tf0 (https://www.rcsb.org/structure/1tf0)</a>

s://www.rcsb.org/structure/1tf0) , 1uor (https://www.rcsb.org/structure/1uor) , 1ysx (https://www.rcsb.org/structure/1ysx) , 2bx8 (https://www.rcsb.org/structure/2bx8) , 2bxa (https://www.rcsb.org/structure/2bxa) , 2bxb (https://www.rcsb.org/structure/2bxb) , 2bxc (https://www.rcsb.org/structure/2bxc) , 2bxd (https://www.rcsb.org/structure/2bxd) , 2bxе (https://www.rcsb.org/structure/2bxе) , 2bxf (https://www.rcsb.org/structure/2bxf) , 2bxg (https://www.rcsb.org/structure/2bxg) , 2bxh (https://www.rcsb.org/structure/2bxh) , 2bxi (https://www.rcsb.org/structure/2bxi) , 2bxk (https://www.rcsb.org/structure/2bxk) , 2bxl (https://www.rcsb.org/structure/2bxl) , 2bxm (https://www.rcsb.org/structure/2bxm) , 2bxn (https://www.rcsb.org/structure/2bxn) , 2bxo (https://www.rcsb.org/structure/2bxo) , 2bxp (https://www.rcsb.org/structure/2bxp) , 2bxq (https://www.rcsb.org/structure/2bxq) , 2i2z (https://www.rcsb.org/structure/2i2z) , 2i30 (https://www.rcsb.org/structure/2i30) , 2vdb (https://www.rcsb.org/structure/2vdb) , 2vue (https://www.rcsb.org/structure/2vue) , 2vuf (https://www.rcsb.org/structure/2vuf) , 3b9l (https://www.rcsb.org/structure/3b9l) , 3b9m (https://www.rcsb.org/structure/3b9m)

A number of blood transport proteins are evolutionarily related in the albumin family, including serum albumin, [alpha-fetoprotein](#), [vitamin D-binding protein](#) and [afamin](#).<sup>[3][4][5]</sup> This family is only found in [vertebrates](#).<sup>[6]</sup>

*Albumins* in a less strict sense can mean other proteins that **coagulate** under certain conditions. See § **Other albumin types** for **lactalbumin**, **ovalbumin** and plant "2S albumin".

# Function

# Classification

# Structure

Forensic uses

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Terminology

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See also

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References

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External links

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Retrieved from

"[https://en.wikipedia.org/w/index.php?  
title=Albumin&oldid=1089535594](https://en.wikipedia.org/w/index.php?title=Albumin&oldid=1089535594)"

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