

## Recombinant human proteins

# Animal-Free Recombinant Human Serum Albumin

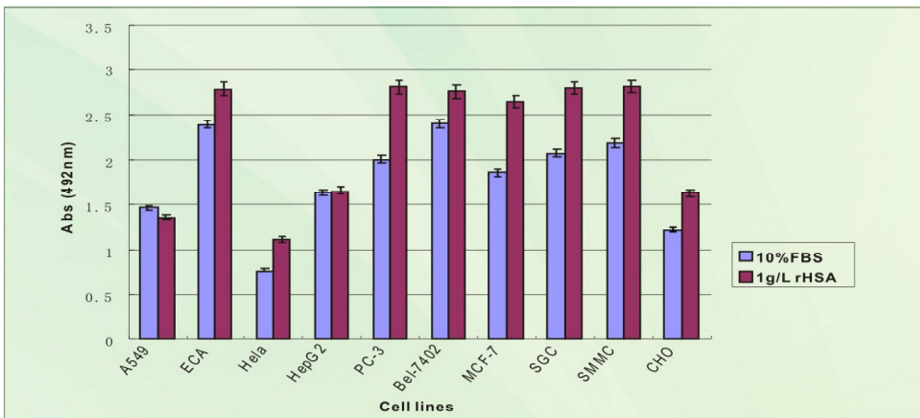
Serum albumin is a widely used supplement of cell culture media which promotes cell growth and increases recombinant protein yield. Albumin can be used in many fields including classical and custom media formulations.

OsrHSA is a recombinant human serum albumin produced in *Oryza sativa*. It possesses the same biophysical properties and amino acid sequence as the plasma-derived HSA (pHSA). The usage of recombinant HSA ensures no risk of contamination with adventitious viral agents or transmissible spongiform encephalopathies. OsrHSA can be used as a supplement to support cell growth, health and productivity. OsrHSA can also reduce the usage of serum in the media.

The optimal concentration of OsrHSA for cell culture is based on the difference of cell lines and medium. Most of serum-free media include albumin at the concentration between 0.5 and 5 g/L.

### Advantages of OsrHSA:

- animal-free; eliminates the contamination risk with viruses and other infectious agents;
- maximize cell growth and productivity when compared to pHSA and FBS;
- well defined and consistent. OsrHSA is a plant-derived product and because of its less genetic variation than native HSA it is well suited for chemically-designed media.
- replaces and performs pHSA and FBS.



Comparison of effect on different cell lines in cell culture between OsrHSA and FBS.

Product name	Product number	Grade	Source	Character
OsrHSA	RP-1	Cell Culture	Rice grain	White lyophilised powder
	Amount		Price €/g	
	5 - 9 g		39.-	
	10 - 24 g		31.-	
	25 - 49 g		26.-	
	50 - 99 g		24.-	
	>100 g		23.-	