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Datasheet for ABIN6976299

HSA Protein

Overview

Quantity:	10 g
Target:	HSA
Origin:	Human
Source:	non-mammalian expression system
Protein Type:	Recombinant
Application:	Cell Culture (CC)

Product Details

Purpose:	Cellastim S® recombinant human serum albumin (rHSA) is completely animal- and blood-free and is optimized to enhance the performance in cell culture media due to the favorable lipid profile. Cellastim S® is compatible with a variety of different cell types including immune cells, VERO, MSC, HEK, CHO, etc
Characteristics:	<p>Cellastim S® is an animal component free (ACF) human serum albumin (HSA) that has been designed and optimized to enhance cell doubling times, deliver essential lipids, provide micronutrients and antioxidants, and reduce oxidative stress in cell culture applications.</p> <p>Cellastim S® has the identical amino acid sequence as the major HSA isoform found in human serum. Cellastim S® is lipid-enhanced (1.4 % by weight) for excellent, consistent growth and directed differentiation of a wide variety of human cell types, including T-Lymphocytes, and virus production in VERO/MDCK cell culture. Every lot of Cellastim S® is tested with multiple T-lymphocyte donors to ensure consistency and performance.</p>
Purity:	> 96 %
Endotoxin Level:	< 1.000 EU/mg

Target Details

Target:	HSA
Alternative Name:	HSA (HSA Products)

Application Details

Application Notes:	Cellastim S® is optimized for cell culture applications: cell culture, cell therapy, gene therapy, vaccine development
Comment:	The optimum concentration of albumin for cell culture applications varies with the type of cell and the composition of the medium. Albumin is typically used at concentrations of 0.5 to 2 g/L in media formulations.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Weigh Cellastim S® and calculate final volume of stock solution (10 % w/v). Resuspend in 70 % final volume of DPBS, PBS, or basal media. Incubate 12 hours at 4 °C. Add buffer to bring solution to final calculated volume after accounting displacement by the reconstituted powder. Sterile-filter and store at 2 to 8 °C or aliquot and freeze at -80 °C for long-term storage.
Storage:	-20 °C