AriVerity Recombinant Human C Reactive Protein (CRP)

Product Technical Data Sheet

Document No. AV-TDS-CRP-001 | Initial issue | Publication date 30 October 2026

Intended for use as a raw material in the manufacture of kits, calibrators and control materials. Not intended for direct clinical diagnostic use.

Product Specifications

Parameter	Specification
Catalog Number	AV-CRP-001
Gene	CRP
UniProt ID	P02741
Species	Human
Expression system	E. coli
CRP sequence (residues 19–224; 206 amino acids)	QTDMSRKAFVFPKESDTSYVSLKAPLTKPLKAFTVCLHFYTELSSTRGYSIFSYATKRQDNEILIFWSKDIGYSF TVGGSEILFEVPEVTVAPVHICTSWESASGIVEFWVDGKPRVRKSLKKGYTVGAEASIILGQEQDSFGGNFE GSQSLVGDIGNVNMWDFVLSPDEINTIYLGGPFSPNVLNWRALKYEVQGEVFTKPQLWP
Tag	C-terminal 6xHis tag
Molecular weight (calculated)	~24.7 kDa
Apparent molecular weight (reducing SDS-PAGE)	26 kDa
Form	Liquid in 20 mM Tris-HCl (pH 7.4), 140 mM NaCl, 10 % glycerol and 0.05 % sodium azide (NaN_3)
Protein concentration	500 µg
Pack size	1 mL

Quality Control

Quality attribute	Method	Result
Purity	SDS-PAGE	≥95%
Identity	Q-TOF Mass Spectrometry	Confirmed
His tag verification	Western blot (Anti-His antibody)	Positive
Immunoreactivity	Turbidimetric assays on Roche Cobas, Beckman Coulter and Siemens systems	Positive
Binding activity	Surface Plasmon Resonance (SPR)	Specific binding confirmed

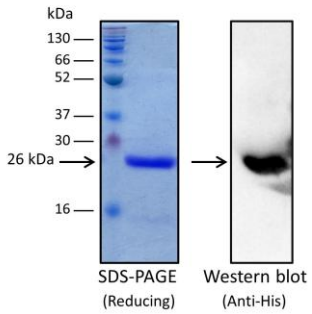
Storage and Stability

Storage temperature	Evaluation period	Assessment
2–8 °C	1 month	No significant loss by turbidimetric testing
−20 °C	3 months	Stability evaluated by turbidimetric testing
−80 °C	3 months	Stability evaluated by turbidimetric testing

Freeze–thaw stability has not yet been evaluated.

Quality Statement

Every lot is tested for purity, identity and immunoreactivity.



Manufacturer: AriVerity Biyoteknoloji Ar-Ge Sanayi ve Ticaret Limited Şirketi